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ABSTRACT

Environmental education resources are presented in three categories: (1) print materials; (2) non-print materials; and (3) physical resources. The print material category is subdivided into two sections: books, booklets, and card sets; and magazines, reports, and pamphlets. Entries, arranged alphabetically by title within each section, include grade application, suggested student and/or teacher use, focus in one or more subject areas, brief description, author (or source), publisher, estimated cost (when applicable), and other information. As an additional service, the section on books is cross-referenced according to a list of authors. The non-print resource category is subdivided into five sections: filmstrips/slides; films, videotapes/videocassettes, video-discs or laser discs; records and audio-cassettes; games and maps (including photosets, transparencies, and computer software); and multi-media resource kits. Entries, arranged alphabetically by title, include grade application, subject area focus, description, and source. Physical resources are arranged in alphabetical order by five, arbitrarily divided areas in Alberta (Northern, Edmonton, Central, Calgary, and Southern regions). These resources are actual locations to which students could be taken for out-of-school lessons. Title, type of facility (such as industry, natural area, camp/wilderness, tourist attraction, government facility), description, and location/contact are provided for each entry. (JN)

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CATALOGUE OF RESOURCES

FOR GRADES I to XII

1983

Curriculum

Alberta
EDUCATION

SE043561

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Developed and coordinated by J. R. Houghton

TABLE OF CONTENTS

PAGE

INTRODUCTION 1

PROVINCIAL DIVISIONS 3

PATTERN OF ANNOTATION 4

PRINT RESOURCES
    Books, Booklets and Cardsets 7
    Cross-Reference by Author 54
    Reports, Magazines, Journals and Papers 62

NON-PRINT RESOURCES
    Filmstrips and Slide-Sets 67
    Films, Videotapes and Videodiscs 71
    Records and Audio-Cassettes 91
    Photosets, Maps, Transparencies, Games, Exhibitions and Computer Courseware 93
    Kits 95

PHYSICAL RESOURCES
    Northern Region 97
    Edmonton and Region 107
    Central Region 115
    Calgary and Region 122
    Southern Region 132

INTRODUCTION

This publication is a service document and as such is not prescriptive. It has been prepared to assist school systems, their schools, teachers and library staff in the planning, preparation and conduct of programs in environmental education for Grades One to Twelve.

The Catalogue of Resources is presented as a companion document to the Environmental Education Manual For Grades I to XII. It consists of a limited inventory prepared by teams of practising teachers.

Like most catalogues, this document will quickly become outdated. New books will be published, new films will be produced and new locations for teaching will be developed or discovered. This inventory, therefore, is not presented as a complete or exhaustive list but, rather, as a departure point to be utilized in any practical way. Interested individuals or groups are encouraged to build and maintain their own lists geared more specifically to their particular needs.

Users of the catalogue should be aware that these annotated items have not been subjected to analysis nor to examination by committee. They are, however, the result of experienced use by educators. The grade application range is suggested only.

Resources have been presented in three general categories:

- Print Materials (books, pamphlets, magazines, etc.)
- Non-Print Materials (films, filmstrips, slides, videotapes, records, etc.)
- Physical Resources (places to visit, educational sites, etc.).

The format was devised to provide as much consistency as possible. In every case, a resource is identified by title, categorized, related to subject, annotated, and information is provided as to location or source. Each section is presented in alphabetical order.

Print Resources

Print resources may be found in a variety of general formats. In the interest of convenience, this category has been subdivided into two sections:

- Books, Booklets and Card Sets
- Magazines, Reports and Pamphlets.

Note: As an additional service, the section on books has been cross-referenced according to a list of authors.

Non-print Resources

Non-print resources appear in two modes - the video and the audio. This division, plus variety of format, results in division into subsections. These include:

- Filmstrips and Slide Sets (often accompanied by audio-cassettes or scripts)
- Films, Videotapes or Videocassettes and Video-Discs or Laser Discs
- Records and Audio-Cassettes
- Maps, Photosets and Games.

Note: On occasion, a number of different types of resources are assembled together in order to form a multi-media resource. This package has been classified as a Kit.

Physical Resources

It has been suggested that education about the environment may simply take place in the conventional school environment of the classroom, library or laboratory. Education of the environment, on the other hand, should take place in that environment. This implies educational excursions to any number of sites which allow students to learn and practise skills in the "real" world.

The magnitude of such a resource classification based, as it must be, on geographic locations within the province presents something of a problem. In order to simplify the treatment of such a mass of information the province has been arbitrarily divided into five areas or zones. These are labelled as:

- Northern Region
- Edmonton and Region
- Central Region
- Calgary and Region
- Southern Region.

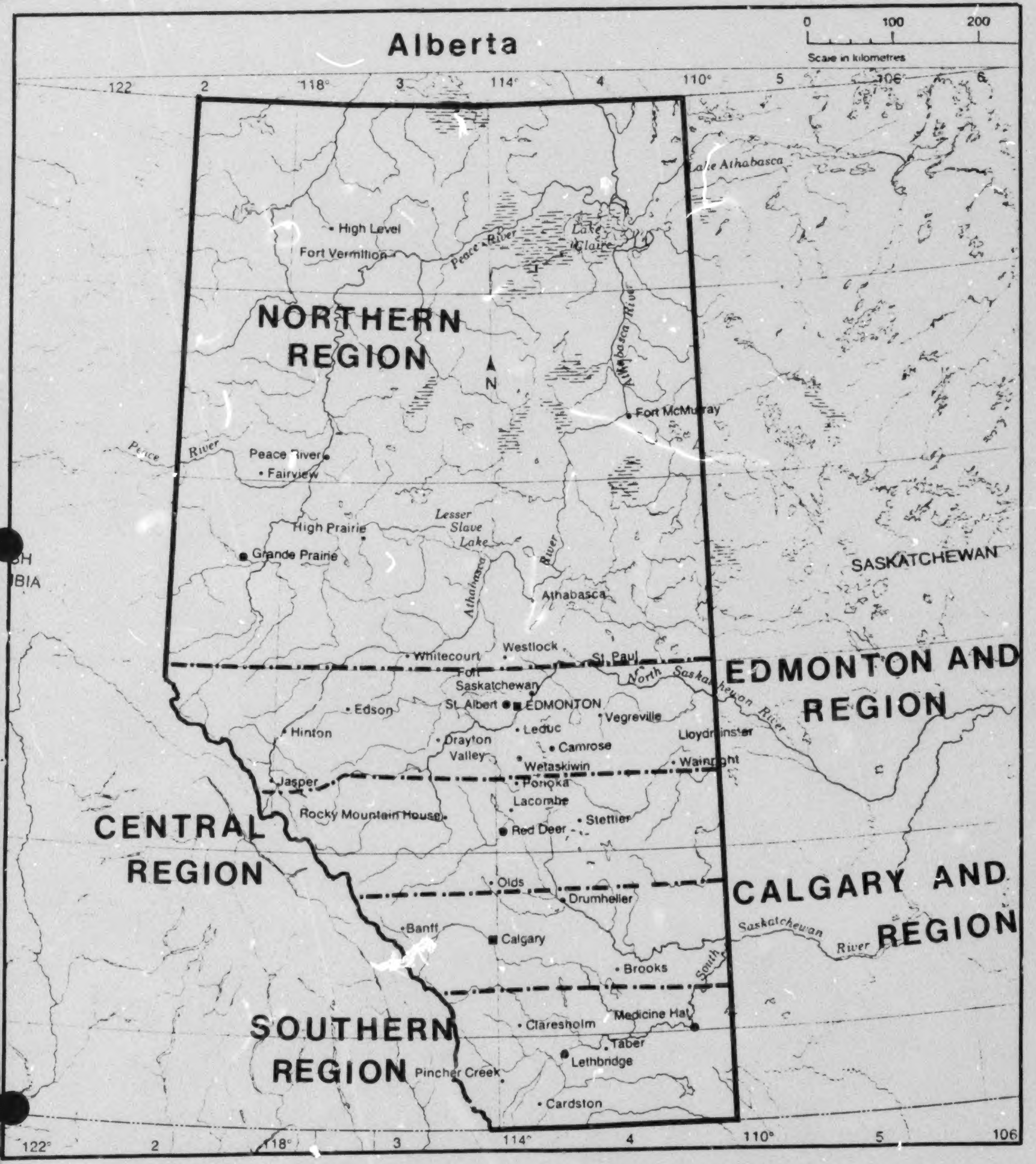
They are identified on the accompanying map.

SPECIAL NOTE

This catalogue is not designed to replace any other catalogue or document. While we have not studiously avoided listings which may appear in other similar publications, the unique interdisciplinary nature of environmental education usually results in materials considered too general for the needs of those involved in areas of greater specificity.

Users are reminded that there are numerous useful and valuable resources listed in Curriculum Guides (Recommended and Supplementary) and in Catalogues issued by such agencies as ACCESS, Alberta Consumer and Corporate Affairs, Alberta Energy and Natural Resources and Alberta Environment.

PROVINCIAL DIVISIONS


Alberta
0 100 200
Scale in kilometres
122 2 118° 3 114° 4 110° 5 106° 6
Lake Athabasca
High Level
Fort Vermilion
Peace River
Lake Claire
NORTHERN REGION
N
Athabasca River
Fort McMurray
Peace River
Peace River
Fairview
High Prairie
Lesser Slave Lake
Grande Prairie
Athabasca
River
Athabasca
SASKATCHEWAN
Whitecourt
Westlock
St. Paul
EDMONTON AND REGION
Fort Saskatchewan
North Saskatchewan River
St. Albert
EDMONTON
Edson
Vegreville
Hinton
Leduc
Lloydminster
Drayton Valley
Camrose
Wetaskiwin
Wainwright
Jasper
Ponoka
Lacombe
CENTRAL REGION
Rocky Mountain House
Stettler
Red Deer
Olds
Drumheller
CALGARY AND REGION
Banff
Calgary
Saskatchewan River
South
Brooks
Medicine Hat
Claresholm
Taber
SOUTHERN REGION
Lethbridge
Pincher Creek
Cardston
122° 2 118° 3 114° 4 110° 5 106

PATTERN OF ANNOTATION

Every effort has been made to present useful bibliographic, order and content information in an easy-to-understand format. Below are some examples of entries containing all possible entry elements. Each section and subsection of the lists will provide additional information on codes and keys for that specific section.

ANNOTATION PATTERN FOR PRINT RESOURCES

All print resource listings provide:

(1) the title of the work;

(2) the suggested grade application;

(3) the suggestion of student use and/or teacher use;

(4) a code indicating the type of class of the reference;

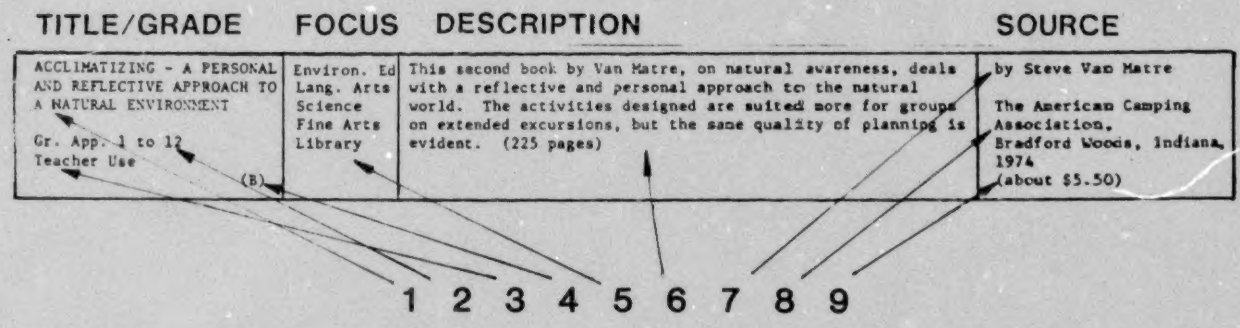
(5) the apparent focus in one or more subject areas;

(6) a brief description of the reference (indicating, in the case of books, the number of pages);

(7) the author or origin of the reference;

(8) the publishers, supplier, date of publication, etc.; and

(9) occasionally, the estimated cost.



TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
ACCLIMATIZING - A PERSONAL AND REFLECTIVE APPROACH TO A NATURAL ENVIRONMENT Gr. App. 1 to 12 Teacher Use (B)	Environ. Ed Lang. Arts Science Fine Arts Library	This second book by Van Matre, on natural awareness, deals with a reflective and personal approach to the natural world. The activities designed are suited more for groups on extended excursions, but the same quality of planning is evident. (225 pages)	by Steve Van Matre The American Camping Association, Bradford Woods, Indiana, 1974 (about $5.50)

* * *

ANNOTATION PATTERN FOR NON-PRINT RESOURCES

All non-print resources provide:

(1) the title of the work;

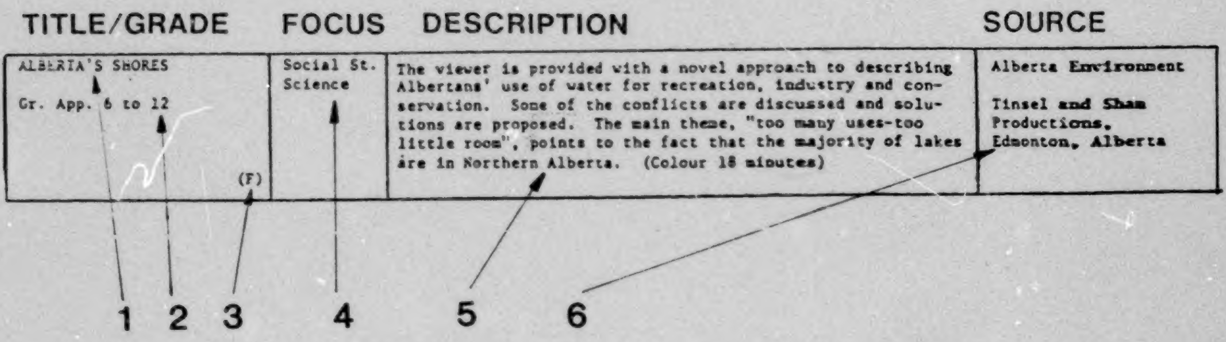
(2) the suggested grade application;

(3) a code indicating the type or class of the reference;

(4) the apparent focus in one or more subject areas;

(5) a brief description of the reference; and,

(6) the source (publication or supplier).



TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
ALBERTA'S SHORES Gr. App. 6 to 12 (F)	Social St. Science	The viewer is provided with a novel approach to describing Albertans' use of water for recreation, industry and conservation. Some of the conflicts are discussed and solutions are proposed. The main theme, "too many uses-too little room", points to the fact that the majority of lakes are in Northern Alberta. (Colour 18 minutes)	Alberta Environment Tinsel and Sham Productions, Edmonton, Alberta

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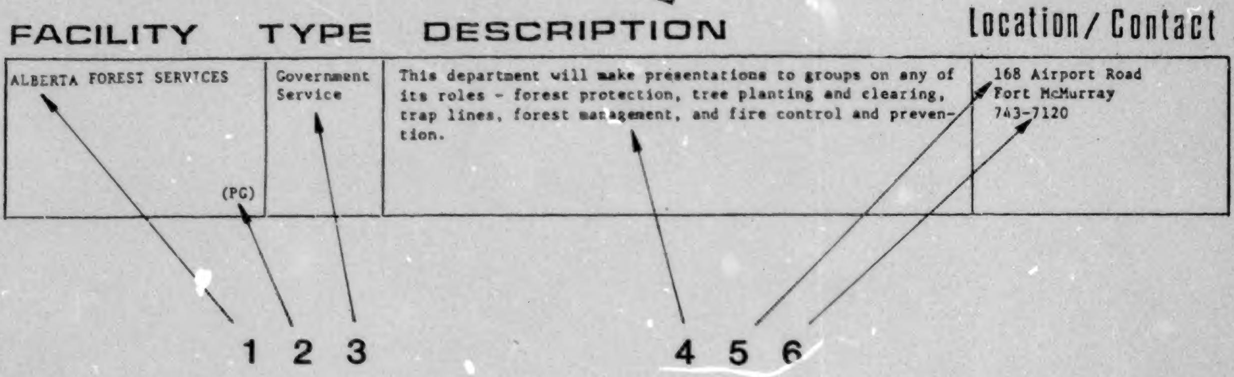
ANNOTATION PATTERN FOR PHYSICAL RESOURCES

All physical resource listings provide
(1) the name of the locale or facility;
(2) a code indicating the type or class of reference;
(3) an expanded note as to the type of reference;
(4) a brief description of the reference;
(5) a statement regarding the situation of the locale or facility;
(6) information regarding a contact, where appropriate.



FACILITY	TYPE	DESCRIPTION	Location/Contact
ALBERTA FOREST SERVICES (PG)	Government Service	This department will make presentations to groups on any of its roles - forest protection, tree planting and clearing, trap lines, forest management, and fire control and prevention.	168 Airport Road Fort McMurray 743-7120

SUBJECT AREA ABBREVIATIONS

In the column designated as FOCUS, subject area abbreviations have been used to fit the limited space. These include:

Lang. Arts = Language Arts
Social St. = Social Studies
Home Ec. = Home Economics
Indust. Ed. = Industrial Education
Phys. Ed. = Physical Education
Voc. Ed. = Vocational Education
Outdoor Ed. = Outdoor Education
Environ. Ed. = Environmental Education
Power Tech. = Power Technology
Pract. Arts = Practical Arts

PRINT RESOURCES

This is the first section of PRINT MATERIALS. It includes books, booklets and card-sets. All the items are listed in alphabetical order according to the title given to the item. The code-keys used in this section are:

(B) = Book (BL) = Booklet (CS) = Cardset

Undoubtedly, there are many more, equally useful items available. These are but a few.

A

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
ABOUT THE DINOSAURS AT THE DINOSAUR PROVINCIAL PARK, NEAR PATRICIA, ALBERTA. Gr. App. 4 to 9 Student Use (BL)	Science Biology Social St.	Informative and student oriented, this book is written at the child's level and concentrates on dinosaurs. The technical information is both interesting and understandable. The illustrations are a great addition. (6 pages)	by Hope Johnson Medicine Hat historical and Museum Foundation, 1977
ACCLIMATIZATION - A SENSORY AND CONCEPTUAL APPROACH TO ECOLOGICAL INVOLVEMENT Gr. App. 1 to 12 Teacher Use (B)	Environ. Ed Lang. Arts Science Drama/Art Music Library	This well constructed series of sensory activities for individuals and groups is designed to assist in establishing a concept of personal involvement in the environment. Activities are well structured with the methods, skills and props needed also shown. (138 pages)	by Steve Van Matre The American Camping Association, Bradford Woods, Indiana, 1974 (about $4.50)
ACCLIMATIZING - A PERSONAL AND REFLECTIVE APPROACH TO A NATURAL ENVIRONMENT Gr. App. 1 to 12 Teacher Use (B)	Environ. Ed Lang. Arts Science Fine Arts Library	This second book by Van Matre, on natural awareness, deals with a reflective and personal approach to the natural world. The activities designed are suited more for groups on extended excursions, but the same quality of planning is evident. (225 pages)	by Steve Van Matre The American Camping Association, Bradford Woods, Indiana, 1974 (about $5.50)
ACCLIMATIZATION WALKS Gr. App. 1 to 9 Teacher Use (CS)	Outdoor Ed. Lang. Arts Science Environ. Ed	This card series of 12 winter and 12 summer walks through the environment identifies different themes for enjoying the richness and wonder of the natural world. The methods materials necessary to make the "walk" work are carefully explained.	by Steve Van Matre and Kirk Hoessle The Acclimatization Experience Institute, Wollenville, Ill., 1980
ACID RAIN: THE NORTH AMERICAN FORECAST Gr. App. 9 to 12 Snr. Student/Teacher Use (B)	Science Social St. Health Library	This book explains where acid rain comes from, what it does to plants, fish and ecosystems, how much it costs, and what the political response has been to date. A well-written informative look at a major environmental problem that should be cured before it gets totally out of control is offered to the thoughtful reader. (206 pages)	by Linda R. Pim Doubleday Canada Ltd. Toronto, Ontario, 1981
ACID RAIN, THE SILENT CRISIS Gr. App. 8 to 12 Student/Teacher Use (B)	Science Health Social St. Library	Interviews and newspaper excerpts increase interest in this account of acid rain in Canada - the effects, environmental costs, sources, and neutralization. Photographs, an index, and a 1981 postscript add to an appealing format. (104 pages)	by Phil weller and the Waterloo Public Interest Research Group, Waterloo, Ontario, 1980 (about $4.75)
AIR Gr. App. 1 to 2 Student Use (B)	Science Social St.	This book explains why air is so important, and that people have been polluting it. Methods of reducing damage are mentioned, even at the child's level.	Burke Publishing P.O. Box 48, Toronto-Dominion Centre, Toronto III, Ontario
AIR POLLUTION EXPERIMENTS FOR JUNIOR AND SENIOR HIGH SCHOOL STUDENTS Gr. App. 7 to 12 Student/Teacher Use (B)	Science	Thirty eight experiments are written up following a set format of: a) objective; b) suitability and usefulness; c) theory and background; d) equipment; e) procedure; f) records; and, g) references. Many of these are suitable for Science Fair activities.	Editors - Hunter & Wohlers Air Pollution Control Assoc. Pittsburgh, Penn.

ALBERTA Gr. App. 1 to 12 Student/Teacher Use (B)	Social St. Art Library	This book offers 160 pages of some of the most beautiful and exciting colour photographs imaginable. Scenes from both the natural and man-made environments are captured in a fashion that will almost surely impress any viewer of any age.	by Sherman Hines McClelland & Stewart, Ltd., Toronto, Ontario, 1981 (about $24.95)
ALBERTA - A CELEBRATION Gr. App. 4 to 12 Student/Teacher Use (B)	Social St. Art Lang. Arts Library	This 208 page book was specially commissioned to celebrate Alberta's 75th birthday. Magnificent full-page photographs highlight the text. Alberta - A Celebration is a huge text that attempts to capture and combine, through pictures and stories, the many contrasts, the vast landscapes, the dreams and character of Alberta past and present.	by Rudy Wiebe, Harry Savage, and Tom Radford Hurtig Publishers, Edmonton, Alberta, 1979
ALBERTA ARCHEOLOGY: PROSPECT AND RETROSPECT Gr. App. 4 to 7 Teacher Use (B)	Social St. Library	A softcover compilation of papers presented to the fiftieth annual meeting of the Archeological Society of Alberta in 1980. Most papers are of a general nature and provide a good overview or archeology in Alberta. Of special use is the article "Southern Alberta - The Nomandic Culture."	edited by T.A. Moore Archeological Society of Lethbridge, Alberta, 1981
ALBERTA, THE BADLANDS Gr. App. 4 to 12 Student/Teacher Use (B)	Science Social St. Outdoor Ed. Art	Any teacher planning a field trip through the badlands of Alberta might read this book. It sensitizes the reader to the varied beauty, detail and colour to be seen in the badlands. The geological history and sociological history are both touched upon in this production.	by R. Noble & G. Rollans McClelland & Stewart Ltd., Toronto, Ontario,
ALBERTA BIRDS 1961-1970 Gr. App. 10 to 12 Snr. Student/Teacher Use (B)	Science	This is an Occasional Paper and, as such, is a very sophisticated document of interest to dedicated ornithologists or teachers/students involved in special studies of birds. It records the sightings of various species and reinforces information as to their range. The index and bibliography are most useful. (314 pages)	by T. S. Sadler & M. T. Myers Provincial Museum of Alberta Natural History, Edmonton, Alberta, 1976
ALBERTA CONSERVATION AND HUNTER EDUCATION Gr. App. 5 to 12 Teacher Use (B)	Science Outdoor Ed. Phys. Ed.	The Alberta Government's Hunter Education Program provides excellent information on such topics as: wildlife; equipment; firearms; survival; first aid; and, physical fitness. The text is nearly 300 pages of good information.	Alberta Energy and Natural Resources - Fish and Wildli Division - 1980 ISBN 0-86499-000-6
ALBERTA - A NATURAL HISTORY Gr. App. 7 to 12 Student/Teacher Use (B)	Science Social St. Library	Many photographs, diagrams and well illustrated maps accompany the non-textual script of this highly informative book. The characteristics of the land, the flora and fauna and the impact of man depict the unique environment that is Alberta.	editor is Chief W. A. Haray M. G. Hurtig, Edmonton, Alberta, 1975
ALL COLOUR PLAY AND LEARN BOOK - ANIMALS (THE) Gr. App. 1 to 3 Student Use (B)	Science Lang. Arts Library	Games are used to help students understand about the lives of many different animals. Some reading on niches and ecosystems enhances the games in the well illustrated 25 pages. Other skills such as counting and hand-eye coordination help students develop.	by Alain Gree John Wiley & Sons Ltd., Rexdale, Ontario, 1977
ALTERNATE ENERGY SOURCES Gr. App. 3 to 7 Student Use (B)	Science Social St.	This is a good book to introduce a basic understanding of the value of alternate energy sources such as sun, wind, and water. The photographs are interesting and there is a glossary. (59 pages)	Franklin Watts of Canada Toronto, Ontario, 1978
AMATEUR NATURALIST'S NOTEBOOK (THE) Gr. App. 3 to 12 Student/Teacher Use (B)	Science Phys. Ed.	A comprehensive but easy-to-understand notebook, this work introduces the reader to the study of the natural world. Ideal for the amateur naturalist, nature study teacher, interpreter or anyone interested in learning more about nature, it includes many experiments and field activities ranging from the simple to the sophisticated. (420 pages)	by Vinson Brown Prentice-Hall Inc., Scarborough, Ontario, 1980

AMAZING FACTS ABOUT OUR EARTH Gr. App. 3 to 6 Student Use (B)	Science Social St. Library	Snippets of facts are given with the multicoloured cartoon-styled diagrams to be found on every page. Each page identifies a different aspect of the environment and presents a lot of information in an interesting manner. A book for students to have fun with as they learn. (48 pages)	Author is Unknown Transworld Publishers Ltd., Carousel Books, London, 1980 (about $2.00)
AMERICAN INDIAN MEDICINE Gr. App. 4 to 9 Teacher Use (B)	Science Social St. Health Library	The reader is introduced to the actual medicines used in Indian culture as opposed to the "Shamanism" of the Medicine Man. This extensive study provides a great deal of information on the manner in which illness and injury were treated. (526 pages)	by Virgil J. Vogel University of Oklahoma Press, 1970 (about $22.50)
ANIMALS Gr. App. 1 to 2 Student Use (B)	Science Social St.	Animals suffer from Man's activities. The results from some insecticide use and the voracious search for elephant tusks are two examples. Protection and research are two possible means of reducing the problem. Others are suggested for the student to consider. (48 pages)	Burke Publishing, P. O. Box 48, Toronto-Dominion Centre, Toronto III, Ontario
ANIMALS IN DANGER Gr. App. 2 to 6 Student Use (B)	Science Lang. Arts Art	Some of the more endangered species of North America are presented in the book. Superb photographs capture the character and uniqueness of the animals. Man may help or hinder the preservation of the respective animals. (32 pages)	National Geographic Society 1980 (part of Books for Young Explorers series) (about $7.95)
ANIMALS IN WINTER Gr. App. 1 to 4 Student Use (B)	Science Lang. Arts	Written for the younger reader, this book explains how various animals survive the winter. It deals with migration, hibernation, winter food and storage and food gathering during winter. The book is well illustrated and the vocabulary well controlled. (39 pages)	by H. Brancroft and R. Van Gilder Scholastic Press, Toronto, Ontario, 1963
ANIMALS THAT BUILD THEIR HOMES Gr. App. 1 to 3 Student Use (B)	Science	Many detailed pictures highlight this 30 page book. The homes of prairie dogs, badgers, woodpeckers, jays, wasps, termites, and beavers are among those examined. The work has the quality expected from the National Geographic.	by Robert McClung National Geographic Society (about $14.95)
ANIMAL TRACKS OF THE PACIFIC NORTHWEST (poster also available) Gr. App. 7 to 12 Student/Teacher Use (B)	Science Library	This is a pocket book small enough to carry on a trip into the wilderness or park. Each page identifies the track of a common mammal or bird and large life-size black and white diagrams are included with an interesting habits. (Text - 108 pages)	by Karen Pandell and Chris Stall, Pocket Book, Douglas & McIntyre, Vancouver, B.C., 1981
ANIMAL TRICKS Gr. App. 1 and 2 Student Use (B)	Lang. Arts Library	Children are presented with a pleasant book, written in rhymes dealing with wild animals and those in the zoo. The pages are beautifully illustrated and the work has a genuine appeal for students in the elementary grades.	by Brian Wildsmith Oxford University Press, Don Mills, Ontario, 1980 (about $5.95)
ANTIPOLLUTION PROJECTS Gr. App. 7 to 12 Student/Teacher Use (B)	Science	Each chapter has an introduction to the topic covered, followed by excellent ideas for projects selected. These projects are neither difficult nor expensive to pursue. Test questions for each chapter are at the end of the book. Index, bibliography. (123 pages)	by E. Blaustein Prentice-Hall Inc., Scarborough, Ontario,
ARCHAEOLOGY AND ETHNO-HISTORY OF THE MILK RIVER IN SOUTHERN ALBERTA Gr. App. 7 to 12 Teacher Use (B)	Science Social St. Library	This technical paper includes information on stone circles, Writing•On•Stone, and Indian history of the Milk River area. It is an initial survey in archaeological field work which could serve as a good overall reference to the area. (146 pages)	by Andreas Grospointner Western Publishers, P. O. Box 30193, Station B, Calgary, Alberta, 1980

ARCTIC OIL Gr. App. 10 to 12 Teacher Use (B)	Science Indust. Ed. Health Social St. Library	Beginning with a short history of the discovery of oil and gas in the arctic, the author deals with the fragility of arctic life and searches for solutions to the damage oil drilling has on that environment. Colour photographs, an annotated bibliography, and an index are included. (160 pages)	by John Livingston Canadian Broadcasting Corporation, Toronto, Ontario, 1981 (about $14.95)
ART OF CANADIAN NATURE PHOTOGRAPHY (THE) Gr. App. 3 to 12 Student/Teacher Use (B)	Art Indust. Ed Science Library	The many photographers who contributed to the 128 pages of photographs and text can be proud of a book which is a splendid celebration of Canada's glorious natural heritage. Information as "how-to" take photographs of animals and things natural is also included.	edited by J. A. Kraulis Hurtig Publishers, Edmonton, Alberta, 1980 (about $27.50)
ART OF ROBERT BATEMAN (THE) Gr. App. 7 to 12 Student/Teacher Use (B)	Art Environ. Ed Science Library	This beautiful book offers the reader an excellent description and explanation of Robert Bateman's wildlife art. It could be very useful in an art class or an environmental education class since the pictures include as much detail on the habitat as on the organism. Details of his construction and a biography are included.	by A. Lane Penguin Books Canada Ltd., Markham, Ontario, 1981 (about $40.00)
AVALANCHE HANDBOOK Gr. App. 10 to 12 Teacher Use (B)	Phys. Ed. Outdoor Ed.	This book is one of the most comprehensive available for the recreationist or school leader in mountain pursuits. Areas covered include Avalanche, Meteorology, Mountain Snow Pack, Avalanche Phenomena, Stability Evaluation, Safety and Rescue and more. It has a very good index with many good photos.	by Ronald I. Perla and M. Martinelli U.S. Government Printing Office, Washington, D.C.
AVIATOR Gr. App. 9 to 12 Student Use (B)	Lang. Arts Library	A gripping story of survival, this book tells the story of a pilot and his young passenger who crash in the Rocky Mountains in 1928. Gann presents a very realistic picture of the experience of being lost. (148 pages)	Ernest K. Gann Random House, Toronto, Ontario, 1982

B

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
BACK TO BASICS Gr. App. 4 to 12 Teacher/Student Use (B)	Science Social St. Phys. Ed. Indust. Ed. Voc. Ed. Library	This book explores the current and old-fashioned ways of doing such things as cooking meals, building shelters, making clothes and constructing boats. The 456 pages feature hundreds of "how-to" pictures and diagrams on many subjects involved with the craftsmanship and fun of the past.	Norman Mack, Editor The Reader's Digest, 215 Redfern Ave., Montreal, P.Q., 1981 (about $17.00)
BACKPACKING: ONE STEP AT A TIME Gr. App. 8 to 12 Teacher Use (B)	Phys. Ed. Science Library	The text is an attempt to encourage the wise and cooperative use of nature. The emphasis in this case is to help prepare climbers, campers and backpackers to travel carefully and considerately and to ... "fit unobtrusively into the landscape." (356 pages)	by Harry Manning Random House of Canada Ltd., Mississauga, Ontario, 1973
BACKPACKING IN CANADA Gr. App. 7 to 12 Teacher Use (B)	Phys. Ed. Library	This book is in two parts. The first is a 100 page "how - to" section covering food, equipment and "the new wilderness ethic" of backpacking. The second section is a well researched guide to backpacking anywhere in Canada. (225 pages)	by Elliot Katz Doubleday Canada, Toronto, Ontario, 1980
BACKCOUNTRY SKIING: THE SIERRA CLUB GUIDE TO SKIING OFF THE BEATEN TRACK Gr. App. 7 to 12 Teacher Use (B)	Phys. Ed. Outdoor Ed. Library	Everything you wanted to know about Alpine and Nordic skiing in one terrific edition - proper equipment, waxes, basic and advanced skills, survival tips, winter camping, and avalanche precautions. There is an index and an annotated bibliography and the text is well illustrated. (306 pages)	by Lito Tejada-Flores John Wiley and Sons Canada, Ltd., Rexdale, Ontario, 1981

BANFF NATIONAL PARK Gr. App. 7 to 12 Teacher Use (B)	Science Social St. Library	An excellent guide to Banff National Park, which takes the traveler from viewpoint to viewpoint, giving an up-to-date summary of what may be seen, as well as explaining the ancient history of the Rockies. David Baird's own love and awe of the mountains comes across strongly as he describes the events that created and shaped them.	by D. M. Baird Hurtig Publishers, Edmonton, Alberta, 1977 (about $5.95)
BASIC RIVER CANOEING Gr. App. 9 to 12 Teacher Use (B)	Phys. Ed. Outdoor Ed.	After flat water skills have been mastered, this book can be used to learn the skills required to paddle open canoes on rivers. It is written concisely and simply for young students to understand. Especially good are the chapters on the art of reading fast water and river tactics. (100 pages)	by Robert E. McNair American Camping Assoc., Martinsville, Indiana, 1972 (about $3.25)
BATTLE AT BELLY RIVER (THE) Gr. App. 4 to 9 Teacher Use (BL)	Social St. Library	A soft cover 30 page booklet of stories of the last great Indian battle compiled by the Lethbridge Branch of the Historical Society of Alberta. Various interesting eye-witness accounts are given plus maps and photographs of the battle area. A background reference for teachers of early history. (NOTE: should be checked for cultural bias, et al.)	by Alexander Johnston Sir Alexander Galt Museum, West End 5th Avenue South, Lethbridge, Alberta, 1966
BEARS AND I (THE) Gr. App. 7 to 9 Student Use (B)	Lang. Arts Library	This is a novel based on the experiences of the author in Northern British Columbia, as he prospected for gold and adopted three orphaned bear cubs. It is a commentary on the relationships between man and his fellow creatures. (198 pages)	by Robert A. Leslie Random House of Canada Ltd. Mississauga, Ontario, 1986
BE PREPARED FOR EMERGENCIES Gr. App. 5 to 12 Teacher Use (BL)	Phys. Ed. Outdoor Ed.	Handy before and during any winter activity, this booklet deals with topics such as planning, safety equipment, repairs, survival, and lists where to obtain further information for outdoor recreation pursuits. A must for the leader of any group. (21 pages)	Outdoor Recreation Section; Alberta Recreation & Parks, Edmonton, Alberta
BEFORE THE AGE OF MIRACLES Gr. App. 7 to 9 Student/Teacher Use (B)	Social St. Lang. Arts Library	The economic depression of life in the 30's is depicted in the memoirs of a rural Ontario Doctor. A few black and white photographs are included in the 212 pages. Although set in eastern Canada, there is much application to the Alberta scene.	by William Victor Johnston M.D. Fitzhenry & Whiteside Ltd., Don Mills, Ontario, 1975 (about $1.95)
BEHIND CANADIAN BARBED WIRE Gr. App. 10 Teacher Use (B)	Social St. Library	This well written history describes the conditions and activities of Canada's POW camps. The South eastern area of the province is highlighted as there were close to 12,000 POWs housed in Medicine Hat. It provides another viewpoint when examining the mandatory confinement of humans or animals. (334 pages) (NOTE: should be checked for cultural bias, et al.)	by David Carter Nesbitt Publishers Co. Ltd., Brooks, Alberta, 1980 (about $20.00)
THE BEST ABOUT BACKPACKING Gr. App. 7 to 12 Teacher Use (B)	Phys. Ed. Science	A publication of the prestigious Sierra Club, this book is a collection of articles on aspects of backpacking written by experts in their field. Information is given on the usual topics plus sections on weather predictions and temperature extremes. (384 pages)	by Denis Van Lear (Ed.) John Wiley & Sons Canada Ltd., Rexdale, Ontario, 1974
BEST FROM ALBERTA HISTORY (THE) Gr. App. 4 to 10 Teacher Use (B)	Social St. Library	Various authors have contributed to this collection and make it a readable and vivid history. In fact, the more one reads the more one feels that the people from our past were vital, interesting and important. (211 pages)	edited by Hugh Dempsey Western Producer Prairie Books, Saskatoon, Saskatchewan, 1981 (about $10.95)
BEST MOUNTED POLICE STORIES Gr. App. 5 to 7 Student/Teacher Use. (B)	Lang. Arts Social St. Library	An interesting selection of Canadian short stories is portrayed in this 258 page book. Most of the stories involve the NWMP such as "The Taking of Fort Whoop-Up," "Whiskey Smuggling" and "Smoke," modelled on the life of Blood Indian, from Cardston, named Charcoal. (NOTE: could be checked for cultural bias, et al.)	edited by Dick Harrison University of Alberta Press, Edmonton, Alberta, 1978 (about $9.95)

BETWEEN FRIENDS Gr. App. 4 to 12 Student/Teacher Use (B)	Art Indust. Ed. Social St. French Library	The 220 photographs interspersed with maps and quotations in this 263 page book reflect the land and the lives of people who live along the 8000 km border between Canada and the United States. The book is a social comment and a celebration of the U.S. bicentennial celebrations.	Joint Production of N.F.B. Ottawa, Ontario & McClelland Stewart Ltd. Toronto, Ontario, 1976
BIGGEST MACHINES Gr. App. 4 to 8 Student Use (B)	Science Social St. Pract. Arts Library	The young reader is given the opportunity to use photographs of and read about many of the truly gigantic machines which are used in the technological world. (31 pages)	by Denise Kiley Raintree Publishers Group Toronto, Ontario 1980
BIOHAZARD Gr. App. 11 to 12 (B)	Science	Biohazard is the story of a current and major scientific controversy - the struggle to control DNA experiments. Michael Rogers reports on this confrontation as it is happening, in meeting rooms and laboratories, at the technical and political levels. The reader becomes aware of the possible consequences of this research. (209 pages)	by Michael Rogers Random House of Canada Toronto, Ontario 1977
THE BIOLOGICAL REVOLUTION: A BACKGROUND BOOK ON MAKING A NEW WORLD Gr. App. 7 to 12 (B)	Social St. Lang. Arts Science Indust. Ed. Library	This book was written to inform the young adult about the social, political, and economic impacts created by the biological revolution. As well, it cites various career opportunities involved, and shows the medical and health prospects of the future. (266 pages)	by Corinne Jacker Clarke, Irwin & Co. Ltd. Toronto, Ontario 1971
BIOLOGY EXPERIMENTS FOR CHILDREN Gr. App. 4 to 6 (B)	Science	This interesting text outlines a multitude of simple, basic biology experiments. Topics covered include microscopic studies, botany, zoology, and human anatomy. Experiments are presented in a simple manner and each topic section includes a list of equipment required to carry out the investigations. (96 pages)	by Ethel Hanauer General Publishing Co. Ltd. Don Mills, Ontario 1976
BIRDS AND BIRDERS OF BEAVERHILL LAKE (THE) Gr. App. 8 to 12 (B)	Science Library	Robert Lister is the dean of Alberta birders and has known Beaverhill Lake (a major staging area for wildfowl and wading birds) since 1920. This book, informative and humorous, is based largely on the field notes of the late Professor William Rowan, who pioneered a field in avian biology now known as photoperiodism in birds. (264 pages)	by Robert Lister Published by the Edmonton Bird Club Box 4441 Edmonton, Alberta 1979
THE BIRDS OF ALBERTA Gr. App. 1 to 12 (B)	Science Library	Since 1958 this book has been a favorite guide to the identification of birds in Alberta. In the new up-dated version, every new species of bird sighted in the province has been included, and descriptions of established species have been refined with care. Magnificent full-colour photos and accurate range maps supplement the well-written text. (498 pages)	by W. Ray Salt and Jim R. Salt Hurtig Publishers Edmonton, Alberta 1976 (about $14.95)
BIRDS OF PREY A EXHIBITION OF WILDLIFE ART Gr. App. 10 to 12 Teacher Use (B)	Fine Arts Science	This catalogue of paintings from the 18th century to the present includes artists such as John James Audubon, Edward Lear and Henry Bright. (101 pages)	Glenbow-Alberta Institute Calgary, Alberta 1977
BLACKFEET AND BUFFALO Gr. App. 3 to 9 Teacher Use (B)	Lang. Arts Social St. Library	Written by a man who lived his life as a Blackfoot this book depicts the culture and social structure of the plains Indian. The stories told are primarily factual, although some are mythical, and reveal a unique and enduring relationship between man and nature. (384 pages) (NOTE: could be checked for cultural bias, et al.)	by James W. Schultz University of Oklahoma Press 1968 (about $7.95)
BLACKFOOT SHAKING TENT Gr. App. 3 to 9 Teacher Use (B)	Social St. Lang. Arts Library	This text offers a detailed account of a sacred Blackfoot religious ceremony. It was one of the first to be witnessed by a white man. (38 pages) (NOTE: could be checked for cultural bias, et al.)	Glenbow Museum Calgary, Alberta, Occasional Paper No. 5 1980 (about $1.50)

BLACKFOOT LODGE TALES Gr. App. 3 to 9 Teacher Use (B)	Lang. Arts Social St. Library	The reader is provided with an anthology of stories about the People, the Blackfoot tribe. This is an extensive examination of legend and factual tales of Indian life, religion and adventure. (310 pages) (NOTE: could be checked for cultural bias, et al.)	by George Bird Grinnel University of Nebraska Pres Lincoln, Nebraska 1962 (about $5.95)
BLUEBIRDS SEVEN Gr. App. 1 to 3 Student Use (B)	Lang. Arts Science	Through brief words and beautiful paintings the author reveals the life of the bluebird. No attempt is made to overly impress but the book captures the reader's interest and urges him to follow through to the end. (66 pages)	by R. B. Horsfall Audubon Society Book, Portland, Oregon, 1978 (about $9.95)
BOATS AND BARGES ON THE BELLY Gr. App. 7 to 12 Student/Teacher Use (B)	Social St.	Various local histories and authors have been brought together in this informative 48 page publication. It outlines the reasons for river transportation in Southern Alberta during the coal boom. The downfall of this venture is also related in colourful stories.	by Alexander Johnson Lethbridge branch, Historical Society of Albert Sir Alexander Galt Museum, Lethbridge, Alberta, 1966
BOY OF TACHE (A) Gr. App. 2 to 7 Student/Teacher Use (B)	Lang. Arts Library	The author tells the children on an Indian Reserve in Northern B.C. about their own way of life using the format of story telling and painting. A delightful story. (36 pages) Illustrated. (NOTE: could be checked for cultural bias, et al.)	by Anne Blades Tundra Books, Montreal, Quebec, 1973 (about $2.95)
BRIGHT WATERS, BRIGHT FISH Gr. App. 7 to 12 Student/Teacher Use (B)	Science Phys. Ed. Social St. Lang. Arts Library	This book discusses angling of all types from coast to coast in Canada. Fish and their habitats, angling as vocational and recreational activity as well as the environmental problems which threaton the sport and the industry, are topics covered. Exceptional pictures and illustrations are found in the 143 pages.	by Roderick Haig-Brown Douglas & McIntyre, Ltd., Vancouver, B.C., 1980 (about $25.00)
BUILDING SNOWSHOES Gr. App. 6 to 12 Teacher Use (B)	Science Outdoor Ed. Phys. Ed. Indust. Ed. Library	Relying on his experience as both a teacher and snowshoe technician, the author clearly describes the step-by-step procedures involved in constructing a snowshoe - the frames, lacing, and different types are all covered. Practical techniques on snowshoes are also mentioned. (94 pages)	by Gil Gilpatrick Firefly Books Ltd. Scarborough, Ontario, 1979
BULLETIN BOARDS FOR ENVIRONMENTAL STUDIES Gr. App. 3 to 9 Teacher Use (BL)	Science Social St. Art Library	The bulletin boards and unique activities presented in this booklet offer some attractive ways of exploring and studying various environmental issues. This handbook stresses the concept that man is but one element in the whole chain of being. Topics include air, soil, land, man, minerals, water, plants and animals. (48 pages)	by Dr. Clifford Knapp & Stuart S. Seim House of Learning Ltd., Stratford, Ontario, 1973
BUSHCRAFT Gr. App. 9 to 12 Teacher Use (B)	Science Phys. Ed. Social St.	Intended for the serious survivalist this book contains sections on shelter building, rope making and primitive trapping. A very detailed section is provided on star navigation and telling time by stars. An index is included in the book. (344 pages)	by Richard Graves Book Centre Inc. Montreal, Quebec 1972

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CABIN FULL OF MICE (A) Gr. App. 2 to 5 Student Use (B)	Lang. Arts Science Library	An unusual family moves in for the winter and becomes very friendly with the author. Misca, the mouse, and her whiskered chums share a variety of interesting adventures with their human friends. (34 pages)	by Janet Green-Foster Greey de Pencier Books, Toronto, Ontario, 1980 (about $5.95)
CALGARY: A NOT TOO SOLEMN LOOK AT CALGARY"S FIRST 100 YEARS Gr. App. 4 to 12 Student/Teacher Use (B)	Social St. Library	This rather amusing history of the City of Calgary was written to commemorate the city's centennial. The text and pictures provide accurate, although sometimes "tongue-in-cheek", information and some 208 pages of relaxed reading.	by Bob Shiels The Calgary Herald, Calgary, Alberta, 1974
CALGARY'S NATURAL AREAS: A POPULAR GUIDE Gr. App. 5 to 12 Teacher Use (B)	Science Phys. Ed.	A must for Calgarians, this Calgary centennial project on the flora and fauna of Calgary, describes and suggests nature trails throughout the city, and provides a checklist of animal and plant life found in each of the natural areas. Maps, drawings, and photographs increase the book's usefulness. (184 pages)	edited by Peter Sherringto Calgary Field Naturalists' Society, Box 981, Calgary, Alberta, T2P 2R4 1975
CAMPFIRE PROGRAMS Gr. App. 3 to 12 Teacher Use (B)	Phys. Ed. Outdoor Ed. Library	The popular guide to planning successful campfire activities that will create everlasting memories, this book was designed to act as a resource for preparation of campfire programs. Its theory content will enable the user to understand the "why" and "how" of campfires and its songs, games, stunts, and stories provide a base for successful campfire programs. (203 pages)	by Jack Pearse Camp Tawingo Publications, Cober Printing Ltd., Kitchener, Ontario, 1980
CAMPER'S HANDBOOK (THE) Gr. App. 7 to 12 Teacher Use (B)	Phys. Ed. Health	This "extensive" volume has chapters on canoeing, backpacking and snow camping to name a few. A great deal of the information can be adapted to larger group needs or tailor-made for the individual. Mr. Power has a good section on handling wild animals. (159 pages)	by John Power Modern Canadian Library, Toronto, Ontario, 1973 (about $3.95)
CANADA Gr. App. 1 to 12 Student/Teacher Use (B)	Art Indust. Ed. Lang. Arts French Library	This silver medal winner for most beautiful book in the world contains 53 full page photographs of Canada, revealing the character and grandeur of the Canadian environment. Every few pages are interspersed with poetry of an environmental theme in English and in French.	edited by Lorraine Mark, Allen Fleming and Ernie Herzig Clarke, Irwin and Co. Ltd. Toronto, Ontario, (about $22.50)
CANADIAN ENDANGERED SPECIES Gr. App. 4 to 10 Student/Teacher Use (B)	Science Library	In the space of 172 pages this soft-covered book gives descriptions, photographs and drawings that portray the natural beauties of our endangered and extinct species. It contains a bibliography, glossary and index.	by Darryl Stewart Gage Publishing Ltd., Toronto, Ontario, 1974 (about $9.95)
CANADIAN FOLK SONGS FOR THE YOUNG Gr. App. 4 to 10 Teacher Use (B)	Music French Social St. Library	There are songs for fun and songs depicting the history of Canadians. Many more are environmentally based. Each song is annotated. Guitar keys and melody lines are included. (48 pages)	selected by Barbara Cass-Beggs J.J. Douglas Ltd., Vancouver, B.C., 1975 (about $5.95)
CANADIAN FORESTRY SERVICE FACT SHEET Gr. App. 7 to 12 Student/Teacher Use (CS)	Science	Available are a series of fact sheets on topics affecting forests in Canada. Values of a forest, forest enemies, man's impact and solutions to problems are highlighted.	Canadian Government, Department of Environment, Canadian Forestry Service, Information Section, Ottawa, Ontario,
CANADIAN GAME COOKERY Gr. App. 7 to 12 Teacher Use (B)	Home Ec. Social St.	Numerous recipes are provided in this book for the preparation of large and small game animals and waterfowl. A section is included on early Indian methods of cooking as well as one on gourmet game cooking. (214 pages)	by France MacIlquham McClelland and Stewart, Toronto, Ontario, 1977

CANADIAN NATURE NOTEBOOK Gr. App. 4 to 10 Student/Teacher Use (B)	Science Social St. Lang. Arts Library	Delightful personal interpretations of 25 common Canadian habitats and remarkable drawings and watercolors illustrate plants and animals with delicate clarity. Not only undisturbed habitats but modified habitats such as a prairie farm, railroad embankment, and the smouldering aftermath of a forest fire are included. (144 pages)	by Aleta Karstad McGraw-Hill Ryerson Ltd., Toronto, Ontario, 1979 (about $12.95)
CANADIAN PACIFIC RAIL HIGH LEVEL BRIDGE AT LETHBRIDGE (THE) Gr. App. 4 to 5 Student/Teacher Use (B)	Social St. Library	This factual 34 page book about the building of the bridge contains many interesting historic photographs. This book includes details of the design, layout and construction of the substructure and the erection of steelwork. It is excellent background for Alberta settlement studies but lacks table of contents and index.	by Alex Johnston Whoop-Up Country Chapter Historical Society of Alberta, P.O. Box 974 Lethbridge, Alberta T1J 4A2
CANADIAN ROCKIES TRAIL GUIDE; A HIKER'S MANUAL TO THE NATIONAL PARKS (THE) (Revised Edition) Gr. App. 10 to 12 Teacher Use (B)	Phys. Ed. Environ. Ed. Library	The hiking trails of Jasper, Banff, Yoho, Kootenay, and Waterton Lakes National Parks are described clearly: - location of trails, level of difficulty, walking time, and scenic highlights. An index, photographs, and a small section on extended trips are also included in this invaluable aid to planning hiking trips in the rockies. (266 pages)	by Brian Pattor and Bart Robinson Vancouver, B.C., Gordon Soules Book Pub. Lt 1978 (about $6.95)
CANADIAN SKI ASSOCIATION TOUR LEADER MANUAL Gr. App. 9 to 12 Teacher Use (B)	Phys. Ed. Outdoor Ed.	Presented in binder format, this document is a storehouse of information for teachers accepting the responsibilities as a leader of a winter ski tour. The chapters include leadership, equipment, waxing, search and rescue, clothing hazards, avalanche and route finding. (230 pages)	Canadian Ski Association National Office, Ottawa, Ontario
CANADIAN STARTERS SERIES Gr. App. 2 to 4 Student Use (B)	Science Library	A series of 10, 26-page hardcover books, each emphasizing one Canadian animal - beaver, Canada goose, grizzly bear, lynx, moose, chipmunk, porcupine, raccoon, prairie dog and rainbow trout - describing characteristics, food and enemies. Colourful line drawings highlight the short text.	GLC Editorial Department, GLC Publishers, Toronto, Ontario, 1981
CANADIAN WILDFLOWERS Gr. App. 5 to 12 Teacher Use (B)	Art Science Outdoor Ed. Library	Beautiful color photography provides a backdrop for the short descriptions of each flower. The characteristics, range, and season are a part of flower identification. Plants are indexed by common name, botanical name, and family. (192 pages)	by Mary Ferguson and Richard M. Saunders Van Nostrand Reinhold, Toronto, Ontario, 1976 (about $6.95)
CANADIANS (THE) (a continuing series) Gr. App. 4 to 9 Student Use (B)	Social St. Science Library	Each book in this series contains many photographs and illustrations to support the easy-to-read text. Each book is approximately 60 pages long and the series is not yet complete. Catalogues will list under separate titles.	various authors Fitzhenry and Whiteside, Don Mills, Ontario, 1979
CANOE AND WHITEWATER (THE) Gr. App. 9 to 12 Teacher Use (B)	Phys. Ed. Social St.	Franks gives a brief view of the canoe in the early days of Canada and photos illustrate this section. The second section covers canoeing as a modern sport with detailed instructions on handling whitewater sections of rivers and streams. (237 pages)	by C.E.S. Franks University of Toronto, Toronto, Ontario, 1967 (about $8.95)
CANOEING CHINOOK COUNTRY RIVERS Gr. App. 9 to 12 Teacher Use (B)	Phys. Ed. Science Social St.	This 150 page soft cover book is a "must" for canoeing South Alberta rivers. Maps and detailed descriptions are given for each section of each river. The descriptions are excellent, with much reference to features of interest, in addition to the extremely thorough river descriptions.	by Hans Buhrammn and David Young University of Lethbridge, 1980
CAREERS IN CONSERVATION Gr. App. 8 to 12 Teacher Use (B)	Lang. Arts Science Voc. Ed. Guidance Library	Thirteen career opportunities that are available to those interested in areas of conservation are presented in lively profiles. An appendix of suggestions and references for the reader looking to get started in the conservation movement is provided. (166 pages)	by Ada and Frank Graham John Wiley & Sons Canada Ltd., Rexdale, Ontario, 1980

CHARCOAL'S WORLD Gr. App. 7 to 11 Teacher Use (B)	Lang. Arts Social St. Library	A 178 page illustrated account of the legendary Blood Indian Charcoal, this book shows that there are two sides to situations involving Indians and whites, and that BOTH sides must be told. This book is a classic example of Indian-White confrontation where neither completely understands the other. (NOTE: Could be checked for cultural bias, et al.)	by Hugh A. Dempsey Western Producer Prairie Books, Saskatoon, Saskatchewan, 1978 (about $2.25)
CHEMICALS IN YOUR FOOD Gr. App. 10 to 12 Teacher Use (B)	Science Library	The long term effects on health of chemicals used to grow, process or preserve food are discussed. Such additives as emulsifiers, colours, hormones, antibiotics and flavour enhancers may harm the user. An appendix contains the structural formulae of the materials discussed. (192 pages) (NOTE: Could be checked for content bias.)	by Franklin Bicknell Crown Marketing, Ajax, Ontario, 1979
CHILDREN OF THE YUKON Gr. App. 1 to 3 Student Use (B)	Lang. Arts Art Library	The vibrant and unique painting style of the author, illustrates the lifestyle of children living in the Yukon, yesterday and today. (20 pages - fully illustrated)	by Ted Harrison Tundra Books, Montreal, Quebec, 1977 (about $9.95)
COAL IN THE ENERGY CRISIS Gr. App. 4 to 8 Student/Teacher Use (B)	Science	This is a look at the history of coal, its advantages and disadvantages. Underground and surface mining are also discussed. Many black and white photographs are provided to enhance the text. (126 pages)	by Charles Coombs Macmillan of Canada, Toronto, Ontario, 1980
COLLINS GUIDE TO ANIMAL TRACKS AND SIGNS Gr. App. 7 to 12 Student/Teacher Use (B)	Science Library	Over 600 drawings and photographs, many in colour, support the text which helps identify the tracks of many animals. This book helps the reader discover the presence of wildlife in a wide variety of habitats. (230 pages)	by Preben Band & Preben Dahlstrom Collins Publishing Co., St. Johns Place, London, 1980 (about $7.50)
COLOUR TREASURY OF HERBS AND OTHER MEDICINAL PLANTS Gr. App. 7 to 12 (B)	Science Health Library	The 104 beautiful colour plates form the basis of this book. The text presents information in an unusual manner, sharing with the reader the herbal and medicinal uses of many common field and woodland plants. (64 pages)	A. Translation (based on the Italian of Carlo d'Andreta) Caravan Books Co. Limited, Scarborough, Ontario, 1972
COMMON COULEE PLANTS OF SOUTHERN ALBERTA Gr. App. 4 to 6 & 10 (B)	Science Art Library	This is a 124 page layman's guide for native coulee plants of Southern Alberta with black and white illustrations. The book, which is compiled according to the colour of the flower, contains an excellent description of coulees in the introduction and is excellent for photocopying.	by Dr. Job Kuijt Bookstore, University of Lethbridge, Lethbridge, Alberta, 1972
COMMON WEEDS OF CANADA Gr. App. 5 to 12 (B)	Science Outdoor Ed.	Clear color photography hastens identification of the most common weeds of Canada in this handy pocket guide. Relevant information on each weed is covered in a short, descriptive paragraph beside each photograph. (Index, 138 pages)	by Gerald A. Mulligan McClelland and Stewart, Toronto, Ontario, 1978
COMPLETE GUIDE TO BACKPACKING IN CANADA (THE) Gr. App. 6 to 12 Teacher Use (B)	Phys. Ed. Outdoor Ed.	This is the first comprehensive illustrated guide to the vast resources that Canada offers to backpackers. Part one of the book covers such topics as equipment, food, insects, route-findings, and backpacking in winter. Part two is a complete coverage of "where to backpack in Canada". Maps of all provinces are included. (255 pages)	by Elliott Katz Doubleday Canada Ltd., Toronto, Ontario, 1980 (about $8.95)
COMPLETE GUIDE TO OREINTEERING IN NORTH AMERICA (THE) Gr. App. 5 to 9 Teacher Use (B)	Phys. Ed. Science	Teachers interested in developing their own and their student's orienteering skills will value this book. It tells how maps are made, how to use a compass and gives the ABC's of orienteering. It contains index, appendix and glossary. The readability is enhanced with many helpful illustrations. (160 pages)	by Berndt Berglund Clarke, Irwin & Co. Ltd., Toronto, Ontario, 1979 (about $5.95)

COMMUNICATIONS MACHINES Gr. App. 4 to 8 Student Use (B)	Science Social St. Pract. Arts Library	Few areas of life have been affected by the advances of technology more than communication. In a well-illustrated thirty-two pages the reader is introduced to the most modern of these.	by Sam Howard Raintree Publishers Group Toronto, Ontario 1980
CONSERVATION I TEACHER'S GUIDE Gr. App. 4 to 6 Teacher Use (BL)	Science	This booklet contains 14 lesson plans that deal with concepts of conservation through an experimental approach. Experiments are done with easily found materials.	U.S. Dept. of Energy, Technical Information Centre, Oakridge, Tennessee
CONSERVATION OF ENERGY Gr. App. 3 to 7 Student Use (B)	Science Math	Written for juvenile readers the book gives the pros and cons of various fuels and energy sources. It also tells how savings can be found in transportation, buildings, using trash on farms, factories and at home. Charts are given so students can survey how energy can be saved. (60 pages)	by Jane Werner Watson Franklin Watts of Canada, Toronto, Ontario, 1978
CONTOURS. STUDIES OF THE ENVIRONMENT Gr. App. 10 to 12 Teacher Use (B)	Science Math	This is a Canadian text that uses a number of investigations and activities, both classroom and field, to develop ideas and concepts about ecology. Students must use interdisciplinary skills of many scientific areas to investigate the environment, hence taking an in-depth scientific study approach as opposed to a survey approach that most programs offer. (115 pages)	by W. A. Andrews, Donna K. Moore Daniel G. Stoker Prentice-Hall Ltd., Scarborough, Ontario, 1974 (about $6.95)
COWTOWN - AN ALBUM OF EARLY CALGARY Gr. App. 4 to 12 Student/Teacher Use (B)	Social St. Library	The early years of Calgary are chronicled in the stories and pictures provided by one of the province's historians and story tellers. Produced as a part of the city's centennial, the over-sized format of the pages allows room for photographs and text which are easy to read. (496 pages)	by Tom Ward The City of Calgary Electrical System, McClelland & Stewart West, Calgary, Alberta, 1975
CREEK BOOK (THE) Gr. App. 5 to 8 Teacher Use (B)	Science Math Library	A 40 page soft-cover teaching unit to help teachers and students explore a creek and its ecology. Activities, prepared by the Vancouver Environment Education Project, are designed for student participation. They complement land forms and earth science units. Good ideas for camp.	Western Education Development Group (VEEP) University of B.C., Vancouver, B.C., (Other titles available)
CROSS-COUNTRY SKIING; TOURING AND COMPETITION (REV. ED.) Gr. App. 9 to 12 Teacher Use (B)	Phys. Ed. Outdoor Ed. Library	Written by a Canadian cross-country coach, this well illustrated, comprehensive look at that sport includes up-to-date information on equipment and techniques. Suitable for both beginners and advanced skiers, information on waxing, training methods, basic skills, and competitions is included. Indexed. (207 pages)	by David Rees Copp Clark Pitman, 517 Wellington St. West, Toronto, Ontario, 1977
CROW KILLER Gr. App. 8 to 12 Student Use (B)	Lang. Arts Library	This is the story of John Johnston, who was, as a trapper and Mountain Man, involved with the Plains Indians in their last bid for freedom from the white culture. It provides a good look at life in the natural state. (128 pages) (NOTE: could be checked for cultural bias, et al.)	by Raymond Thrap & Robert Bunker Indiana University Press, 1958 (about $9.95)
CURIOUS NATURALIST (THE) Gr. App. 3 to 9 Student/Teacher Use (B)	Science Library	Tracing the constantly unfolding drama of the seasons, this book is a potpourri of fascinating facts and folklore about common plants, animals and natural phenomena. It is beautifully illustrated and has a very good section on nature crafts. (201 pages)	by John Mitchell Prentice-Hall Canada Inc., Scarborough, Ontario, 1980
CYPRESS HILLS - A NATURAL HISTORY (THE) Gr. App. 7 to 12 Teacher Use (B)	Science Library	This short book covers the topics of climate, earth history, fossils, human history, flora, fauna, and geology in concise detail. Included are checklists of common vascular plants, birds, mammals, and butterflies of the Cypress Hills region. The book is well illustrated with sketches, photos and maps. (29 pages)	prepared by the Saskatchewan Museum of Natural History Saskatoon, Saskatchewan

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DANCING SUN (THE) Gr. App. 3 to 6 Student Use (B)	Lang. Arts Library	An illustrated 180 page soft cover book of stories and poems celebrating Canadian children. the collection reveals the many different heritages in our country with knowledge and imagination. Prairie haiku and poetry and a Mennonite story are of particular interest. The book contains a useful glossary.	edited by Jan Andrews Press Porceipic Ltd., 217 - 620 View Street, Victoria, B.C. 1981 (about $5.95)
DEER, MOOSE, ELK AND THEIR FAMILY Gr. App. 3 to 6 Student Use (B)	Social St. Science Library	Beginning with the giant deer of the Ice Age, Dr. Jenkins examines the deer family in the New and Old World. Particular attention is given to the life cycle of the animals and their future in our overcrowded world. (128 pages)	Marie M. Jenkins Saunders of Toronto Ltd., Markham, Ontario, 1979
DIG AND LEARN Gr. App. 4 to 8 Student Use (B)	Science	An exciting and intriguing format is used to help students "dig and learn" about soil. Many questions are asked but no answers are given. Students are encouraged to investigate by sciencing, by doing and by finding out. (31 pages with many cartoons.)	by D. C. Gillespie Copp Clark, Canada, 1970
DINOSAURS (THE) Gr. App. 4 to 9 Student Use (B)	Science Library	Here are dinosaurs as they have never been seen before, presented in short story form, but with plenty of information. These 150 pages present a fantastic new view of a lost era based on the latest research with exciting black and white illustrations.	by William Service illustrated by: William Stout Bantam Books Canada, Toronto, Ontario, 1981 Bantam overlarge pocketbook
DISPOSSESSED (THE) Gr. App. 9 to 12 Student Use (B)	Lang. Arts Social St. Library	This book is science-fiction. Using the plot-line of the efforts of one man to reunite two planets cut off from one another by centuries of distrust, a number of Earth-type conditions are described. The concept of the need for interdependence v.s. territorial interdependence is clearly displayed. (311 pages)	by Ursula K. LeGuin Avon Books of Canada, Scarborough, Ontario, 1975 (Pocketbook Edition)
DIVIDE AND CONQUER Gr. App. 4 to 6 Teacher Use (B)	Science Social St.	This teacher's guide provides background information and classroom activities on the topic of solid waste. The effects of a waste of valuable resources is emphasized, with a focus on how each household can begin implementing the 4 r's of waste management - reduce, reuse, recycle and replenish. (58 pages)	Educational Resource Coordinator Information Services Branch Ministry of the Environment Toronto, Ontario
DOWN BUT NOT OUT Gr. App. 8 to 12 Teacher Use (B)	Outdoor Ed. Survival Phys. Ed. Library	As the Canadian Armed Forces survival manual, this reference is one of the most extensive books on this subject. Topics include the psychology of survival, geography of Canada, parachuting techniques, first aid, shelters, signals, fires, hunting and fishing, food and water, travelling, survival in different climates, as well as knotting skills. (205 pages)	Minister of Supply and Services Government of Canada 1970 (about $5.95)
DOWN THE YEARS AT ELKWATER Gr. App. 6 to 12 Teacher Use (B)	Social St.	The geological origins of this unique area are outlined in this 78 page local history. This would be a useful reference for persons planning a trip to this area. Ranching, early pioneers, common flowers and trees, and stories of the early settlers are included with a fold out map.	by Hope Michael & Hope Johnson Medicine Hat Museum & Art Gallery 1981
DR. ZED'S BRILLIANT BOOK OF SCIENCE EXPERIMENTS Gr. App. 3 to 6 Student Use (B)	Science Lang. Arts Library	Thirty activities are outlined in cartoon form. They are simple fun and are great to create interest in key areas. Children are encouraged to think through the manipulation of objects. (64 pages)	from Owl Publications c/o Greey de Pencier Pub., 59 Front St. East, Toronto, Ontario, 1977
DUCKS, GEESE AND SWANS OF NORTH AMERICA Gr. App. 10 to 12 Teacher Use (B)	Science Art Biology Library	Although covering waterfowl from all of North America, this is an excellent resource. Beautiful color illustrations, migratory route maps, and extensive information on identification, population, distribution, breeding, and food habits of each species is provided. (540 pages)	by Frank C. Bellrose Stackpole Books, 1976 (about $24.95)

E

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
EARLY HISTORY OF THE MEDICINE HAT COUNTRY Gr. App. 10 to 12 Teacher Use (B)	Social St.	This is a comprehensive concise easy-to-read record of early history. The people, events, neighbouring communities, businesses schools and churches are included. It is factual, but not dry, and you feel as if you had been a part of the region's history. (96 pages)	by J. W. Morrow Medicine Hat & District Historical Foundation, 1302 Bamford Cres., Medicine Hat. 1974 (revised)
EARTH FLOWER; THE STORY OF GEOTHERMAL ENERGY Gr. App. 6 to 10 Teacher Use (B)	Science	In simple terms, this edition defines geothermal energy, the resultant surface phenonema (volcanoes, geysers, and fumeroles), and the potential for supplying energy for the future. (64 pages)	by Madeleine Yates G.R. Welch Company Ltd., Burlington, Ontario, 1980
EARTHQUAKES: NATURE IN MOTION Gr. App. 5 to 8 Student Use (B)	Science Library	The cause and effect of earthquakes are examined in this 64 page book. The book is well written but the vocabulary is beyond most elementary student's reading level. However, an easily identified vocabulary is included for the well motivated student. Illustrations are in a black and white format.	by Marshell H. Nixon and Joan Lowry Nixon, Dodd, Mend & Company, 79 Madison Avenue, New York, N.Y. 1981
EARTH'S SURFACE (THE) Gr. App. 8 to 12 Student Use (B)	Science Library	The well planned format of this book includes a concise easy-to-read text to explain the colour photographs and carefully annotated black and white diagrams are found on almost every page. Many geological features are described in the 167 pages.	by D.C. Money Evans Brothers Ltd., Montague House Russell Square, London. 1977 (about $6.00)
EARTHWALK Gr. App. 10 to 12 Student/Teacher Use (B)	Lang. Arts Social St. Health Library	The author debates and argues the impacts and effects that technology and progress have had upon people and the environment. Rooted in Sociology, the book explores the dilemmas and problems which could threaten the individual and society. "Each time we set out to solve a problem we seem to create a new one" is one example. (230 pages)	by Philip Slater Doubleday Canada, Ltd., Toronto, Ontario. 1974
ECOLAB - UNDERSTANDING AND EXPLORING OUR ENVIRONMENT Gr. App. 3 to 7 Student Use (CS)	Science Math	This set of 253 activity cards is very useful as an introduction to urban and rural studies. Areas and topics of study include the nearby neighborhood street, traffic, service stations, shopping centres, stores, restaurants, cemeteries, churches, pollution, forests, streams, farms, and microclimates.	by Scholar's Choice Canadian Company for Learning and Resource Materials, Stratford, Ontario. 1976
ECOLOGICAL EFFECTS OF WASTE WATER Gr. App. 10 to 12 Student/Teacher Use (B)	Science Library	This text provides a practical and concise introduction to the ecological consequences of water pollution. It is an excellent introduction and summary for students and professionals in limnology, environmental engineering, ecology, and water pollution. Numerous illustrations and field data are highlighted in the book. (337 pages)	by E. B. Welch Cambridge University Press, New York. 1980
ECOLOGY - (PLUS TEACHER's MANUAL) Gr. App. 8 to 12 Teacher Use (B)	Science Social St. Health Power Tech. Automotives	The teacher's manual provides excellent references for the attractively designed, inquiry-oriented student workbook. Political dilemmas and moral values encountered in environmental pollution are included in this case study approach to major forms of pollution - mercury, noise, industrial, and oil. (34 pages)	Association for Values Education and Research, University of B.C., OISE Press, 1980 (about $4.00)
ECOLOGY OF THE SLOUGH - A TEACHING UNIT Gr. App. 7 to 9 Student Use (BL)	Science	This booklet is an excellent guide for a field trip to a slough. It includes information on and illustrations of aquatic insects and sub-surface organisms likely to be found and a sample field trip worksheet for student use. Essential field and lab equipment is listed, along with suitable field guides that could be used. (28 pages)	by Robert Sheppard Science Council, A.T.A. Edmonton, Alberta. 1970
ECONOMIC ASPECTS OF NOISE IN ALBERTA Gr. App. 9 to 12 Teacher Use (BL)	Ecology Conservation Education	This bulletin indicates, largely in qualitative terms, the impacts of noise on the economy and people of Alberta. Some rough estimates are made of the costs of noise, existing mitigative measures are reviewed, and implications for policy are discussed. (110 pages)	prepared by K.R. Wiens & J. R. Kinley Environmental Council of Alberta, Edmonton, Alberta. 1980

EDIBLE AND POISONOUS MUSHROOMS OF CANADA Gr. App. 8 to 12 Teacher Use (B)	Science Home Ec. Health Library	Color and black and white photography aid in the easy identification of mushrooms. Detailed information on each species, generic keys, references, a glossary, index, and addendum combine to provide an essential reference for mushroom hunters. (326 pages) (NOTE: To be used with great caution.)	by J. Walton Groves Research Branch of Agriculture Canada 1979 (about $12.95)
EDIBLE GARDEN WEEDS OF CANADA Gr. App. 10 to 12 Teacher Use (B)	Science Home Ec. Outdoor Ed.	Over 40 species of weedy plants are described and illustrated. Different serving suggestions and recipes are supplied. Briefly outline in the appendix are a number of potentially poisonous weeds. A challenge for the adventurous gourmet. (184 pages) (NOTE: To be used with great caution.)	by Adam F. Szczawinski & Nancy J. Turner National Museums of Canad 1978 (about $9.95)
EDIBLE WILD GREEN VEGETABLES OF CANADA Gr. App. 10 to 12 Teacher Use (B)	Science Home Ec. Outdoor Ed.	For each of more than 25 species of wild green vegetables is provided a botanical description, notes on habitat and distribution in Canada, and general information on how it can be used as food. Recipes are supplied as well. (179 pages) (NOTE: To be used with great caution.)	by Adam F. Szczawinski & Nancy J. Turner National Museums of Canad 1980 (about $10.00)
EDIBLE WILD (THE) Gr. App. 9 to 12 Teacher Use (B)	Science Home Ec. Outdoor Ed.	This book is designed primarily for those who have never used wild plants. Clear descriptions and illustrations ensure positive identification. The over fifty plants listed are all common and easily identified. Simple recipes for home and field are provided. (188 pages) (NOTE: To be used with great caution.)	by B. Berglund & C. Bolsby John Wiley & Sons Canada Ltd., Rexdale, Ontario 1971 (about $4.95)
EDMONTON TRAILS FOR ALL SEASONS Gr. App. 4 to 12 Teacher Use (BL)	Phys. Ed. Outdoor Ed. Library	This booklet provides information which will allow one to take full advantage of all existing trails and parks of the North Saskatchewan River Valley in Edmonton for hiking, snowshoeing, or cross-country skiing purposes. (76 pages)	by K. Benzamin Ross Empire Printing, Ltd. Edmonton, Alberta 1974
ELBOW SHEEP WILDERNESS, A RECREATIONAL WILDERNESS FOR ALBERTANS Gr. App. 10 to 12 Teacher Use (B)	Science Social St.	Promoting the preservation of the Elbow-Sheep River headwaters as a wilderness area, this booklet includes many black and white photographs and maps depicting this region as it is today. Information on the history, geology, wildlife, flora, natural resources, and trails is included. (41 pages)	Alberta Wilderness Assoc. Box 6398 Station D Calgary, Alberta T2P 2E1
ENCORE: A PROGRAM OF ENVIRONMENTAL STUDIES Gr. App. All Grades Student/Teacher Use (CS)	Science Social St.	This program provides 256 cards which address the five general sections of Plant life, Animal life, Elements and Forces, Interaction and Appreciation. Although designed for British Columbia the activities may be used in Alberta also.	Information and Education Branch, Department of Recreation and Conservatio Province of British Columbia, Victoria, B.C., 1975 (about $25.00)
ENCOUNTER WITH MOTHER EARTH (AN) Gr. App. 3 to 6 Teacher Use (BL)	Science Lang. Arts	This booklet described four lessons in which teachers, using the activities, can provide a "sensory encounter with Mother Earth." It uses the "acclimatization" concept and procedures for its development. (28 pages)	by Bruce Bembridge Edmonton Catholic School System, Edmonton, Alberta 1976
ENCYCLOPEDIA OR NORTH-AMERICAN BIRDS (WESTERN REGION) - AUDUBON SOCIETY Gr. App. 6 to 12 Teacher Use (B)	Science Library	This book has been described " a must for any bird watcher". Color plates, concise descriptions, silhouette and easy-to-understand print guides all add to the appeal of this well organized and informative guide. (856 pages)	by Miklos D.F. Udvardy Random House of Canada Ltd Toronto, Ontario 1977 (about $45.00)
ENERGY AND INDUSTRY Gr. App. 10 to 12 Student/Teacher Use (B)	Social St. Science Library	This text covers the potential of energy development projects for Canadian industry in the eighties. The issues and approaches of the Canadian Government in relation to Caladian industries and opportunities in proposed energy projects are discussed. (94 pages)	by B. Beale James Lorimer & Company, Toronto, Ontario 1980 (about $6.95)

ENERGY CONSERVATION: A CURRICULUM FOR LIVING Gr. App. 1 to 12 Teacher Use (B)	All Curriculum Areas	The program consists of a set of four books, each one corresponding to a grade division. Each book examines energy and its effect on our lives through a series of activities that correlate with existing curricula.	Edited by Erich Berndt Calgary Board of Education 1980
ENERGY FACTBOOK (THE) Gr. App. 7 to 12 Student/Teacher Use (B)	Science Social St.	This reference will supply the reader with a clear, "accurate" set of facts in a non-technical, easy-to-interpret format backed by numerous charts, tables, figures and photographs. The reader will be able to interpret arguments for geothermal energy, nuclear energy, solar energy or wind and water energy for himself. (227 pages)	by Richard C. Dorf McGraw-Hill Inc. 1981
ENERGY FOR SURVIVAL Gr. App. 10 to 12 Student/Teacher Use (B)	Social St. Science Library	This anthology on energy contains every aspect of every form of energy past, present and future possibilities. The author points out that "new" nonrenewable energy sources are merely bandaid solutions to energy crises. He devotes much attention to solar energy, a renewable source. (652 pages)	by Wilson Clark Anchor Press Garden City, New York, 1975 (about $5.95)
ENERGY MANAGEMENT FOR THE FUTURE Gr. App. 1 to 9 Teacher Use (B)	All Curriculum Areas	Developed to support teachers in an effort to understand the impact of energy demands on our society this source book of ideas and activities is related to many curriculum areas. (127 pages)	Coordinator: Rena Derriek Department of Energy Mines and Resources Canada. 1979
ENERGY SQUEEZE - CANADIAN POLICIES FOR SURVIVAL (THE) Gr. App. 10 to 12 Student/Teacher Use (B)	Social St. Science Law Library	A complete overview of Canada's energy situation is provided. Energy demands, the outlook for oil and gas supplies, as well as alternate energy supplies are covered. There is a fairly complete coverage of Canada's National Energy Policy. (140 pages)	by B. Wilson James Lorimer & Company Toronto, Ontario. 1980 (about $6.95)
ENERGY STRATEGY FOR CANADA (AN) (policies for self-reliance) Gr. App. 11 to 12 (B)	Science Social St. Law Lang. Arts Library	Canadian Energy policies, prospects and strategies are identified with supporting data in easy-to-read tables and graphs. This is an excellent resource for approaching issues or for an individual projects. (170 pages)	issued under the authorit of the Minister of Energy, Mines and Resources Ottawa, Ontario. 1976 (about $3.25)
ENVIRONMENT NEEDS YOU (THE) & A POLLUTION PRIMER Gr. App. 7 to 10 (B)	Science Social St. Library	These resource books are full of information and suggestions to help the student become aware of environmental problems. Background information is given in a simple format. (36 pages each)	Environment Canada Enquiry Centre, Environment Canada, Ottawa, Ontario.
ENVIRONMENT ON TRIAL Gr. App. 9 to 12 Student/Teacher Use (B)	Science Social St. Library	The text discusses the governmental laws that are on the books for conservation and to prevent pollution. A detailed outline of the content is listed at the beginning of each chapter. It is suitable for planning methods to cope with problems or for background on issues.	by Estrin & Swaigen New Press, Don Mills, Ontario. 1977 (about $8.95)
ENVIRONMENTAL CONCERNS - THE WORLD Gr. App. 9 to 12 Student Use (B)	Social St. Science Library	Many black and white photographs and case studies help the student come to grips with issues on the quality of the environment, stresses in world environment and the choices ahead. (161 pages)	by Robert E. Sweeney Academic Press Canada, Don Mills, Ontario. 1977
ENVIRONMENTAL EDUCATION GUIDE K-12 Gr. App. 1 to 12 Teacher Use (B)	Science Social St. Health Lang. Arts Fine Arts	This 94-page production provides exciting lesson samples for all grades and for most subject areas. Of special interest is the treatment of the science "processes." A well conceived section on rationale and program design is included and an extensive bibliography of readings is offered.	From the State Department of Education Richmond, Virginia, U.S.A. July 1974

ENVIRONMENTAL IMPACT OF MINING IN CANADA Gr. App. 11 to 12 Teacher Use (B)	Social St. Science	The objective of this text is to examine the nature and extent of the effects of the mining industry on the economy and other aspects of Canadian Society. The authors describe our present mining practices and their ultimate impact on Canadian ecosystems. (274 pages)	by Ripley, Redmann & Maxwell Centre for Resource Studies Queen's University, Kingston, Ontario. 1978 (about $12.00)
EVERYONE'S TRASH PROBLEMS NUCLEAR WASTES Gr. App. 6 to 9 Teacher Use (B)	Science Social St.	Concentrating on safe ways to dispose of nuclear wastes, the renowned authors describe nuclear waste and how it is created. The pros and cons of various methods of disposal, and emphasis on the public's responsibility in ensuring safe waste disposal are also addressed. (118 pages)	by Margaret O. Hyde and Bruce G. Hyde McGraw - Hill, Scarborough, Ontario. 1979
EXAMINING YOUR ENVIRONMENT (an introduction for teachers) Gr. App. 1 to 12 Teacher Use (B)	Science	This is a "How To " book which explains the basics of setting up a science or related program. It was intended to go with the Examining Your Environment Science Series, however it contains useful information which can be applied elsewhere. Routines, record keeping and evaluation are a few of the topics. (76 pages)	by Daniel F. Wentworth Holt, Rinehart & Winston of Canada Ltd., Toronto, Ontario. 1974 (about $2.75)
EXPERIMENTS ON LAND POLLUTION Gr. App. 4 to 7 Student Use (B)	Science	There are nine chapters relating to issues around land pollution. Each chapter has a preamble giving information about the issues. It clearly instructs the user how to do one or two related experiments and results and benefits can be derived if the experiments are not completed. (63 pages)	D. I. Williams and D. Anglesea Nelson Canada, Scarborough, Ontario. 1978
EXPERIMENTS ON WATER POLLUTION Gr. App. 4 to 7 Student Use (B)	Science	This book is very useful for students to learn about water pollution. Through the experiments given, students can gain experience in sampling and analyzing water, purifying polluted water and noting the effects of polluted water on plants and animals. (63 pages)	by D.I. Williams and D. Anglesea Nelson Canada, Scarborough, Ontario. 1978
EYES ON THE WILDERNESS Gr. App. 5 to 8 Student Use (B)	Science Lang. Arts Library	The forward to this book is written by Chief Dan George, homself a great naturalist. The text contains 20 short chapters on wild animals written in a factual, scientific manner but through personal observation and a testimony of love and reverence for the Canadian wilderness. (175 pages)	by E. Hirnschall Hancock House Canada Ltd., Surrey, B.C., 1975 (about $7.95)

F

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
FAMILY FOR MINERVA (A) Gr. App. 2 to 5 Student Use (B)	Science Lang. Arts Library	Minerva, a snowy owl, had been so badly injured by a gunshot that she could never go free, but her life was not over. At the Owl Rehabilitation Center in Vineland, Ontario, she found a handsome mate, Mars, and together they raised a family of three owlets to be returned to the wild. This true story is illustrated with colour photographs. (34 pages)	by Katherine McKeever Owl True Adventure Book. Greeny de Pencier Books, Toronto, Ontario. 1980 (about $5.95)
FAMILY NATURALIST (THE) Gr. App. 5 to 12 Student/Teacher Use (B)	Science Library	Over 1200 illustrations and photographs support a concise but thorough text on looking, learning, collecting, conserving and exploring wildlife in every conceivable habitat. This is an excellent resource book with many sub-sections, which are easy to use. (190 pages)	by Michael Chinery Macdonald & Janet, Paulton House, 8 Sheperless Walk, London. 1977 (about $7.00)
FARM MACHINES Gr. App. 3 to 9 Student Use (B)	Science Social St. Library	A large number of the machines used in North American farms are examined in this book. Although written with the younger student in mind the pictures and text would be of value to groups studying agriculture. (32 pages)	by Nicholes Wykeham Raintree Publishers Group Toronto, Ontario 1979

FEAST OR FAMINE? THE ENERGY FUTURE Gr. App. 4 to 9 Student Use (B)	Science Social St. Math	The author describes many practical ways we can conserve energy and reduce waste before fossil fuels - oil, gas and coal - are depleted. Illustrations and graphs are clearly labelled. (81 pages)	by Franklyn M. Branley Fitzhenry & Whiteside Ltd., Don Mills, Ontario. 1980
FIELD GUIDE TO THE MAMMALS (A) Gr. App. 7 to 12 Student/Teacher Use (B)	Science Library	This is a field guide meant to be used. It contains definitive information for 380 species. As well as descriptions of the animals and their habits, distribution maps are provided. Some skull plates and dental series are provided for identification of remains. (289 pages)	by William H. Burt Thomas Allen & Sons Ltd., Markham, Ontario. 1976
FINDHORN GARDEN - THE FINDHORN COMMUNITY (THE) Gr. App. 7 to 12 Student/Teacher Use (B)	Social St. Science Health Lang. Arts Library	A true story of man and nature in cooperation, written by the people who are experiencing it. The setting is Scotland but the information is applicable to life anywhere. (180 pages)	Fitzhenry & Whiteside Ltd., Don Mills, Ontario. (about $10.00)
FINDING OUT ABOUT THINGS OUTDOORS Gr. App. 1 to 4 Student Use (B)	Science Resource Library	Outdoor phenomena are explained to younger readers with the help of colourful friendly diagrams and step-by-step pictures about how everyday things work. A wide variety of topics of interest to students are included in the 32 pages.	by Elliot Humberstone Hays Publishing Ltd., Burlington, Ontario. 1981
FISHES OF ALBERTA (THE) Gr. App. 1 to 12 Teacher Use (B)	Science Art Phys. Ed. Library	This book has long been a basic reference for laymen, fishermen, scientists and students of biology. This book brings together as much of the present knowledge of our local fish fauna as is considered practical. Range maps and full-colour photos supplement the regular text.	by Martin J. Paetz & Joseph S. Nelson Queen's Printers, Edmonton, Alberta. 1970
FISHING JASPER NATIONAL PARK Gr. App. 8 to 12 Teacher Use (B)	Outdoor Ed. Phys. Ed. Science	Maps, photographs, and detailed descriptions and photos of fly patterns make this an essential guide for those interested in fishing at Jasper. (72 pages)	by Russell Thornberry & Peter Grimwood Greenhorn Publishers Ltd., [Available at Provincial Museum, Edmonton]
FLORA OF WATERTON LAKES NATIONAL PARK (THE) Gr. App. 7 to 10 Teacher Use (B)	Science Library	This is a 684 page, fully keyed and illustrated manual. The material is arranged in alphabetical order and contains 156 pages of illustrations and some color plates. A glossary, map and index also provide aids for the beginning botanist.	by Job Juijt The University of Alberta Press, Edmonton, Alberta. 1982 (about $12.00)
FOLK SONGS OF CANADA Gr. App. 1 to 12 Teacher Use (B)	Music French Library	The history of Canada, the social implications of discovery, the migration of the people who populate Canada, mixed with legends and folk tales, are told in song. Each song is annotated. Guitar keys are included and an album is also available. (191 pages)	by Edith Fulton Fowke & Richard Johnston Waterloo Music Co. Ltd., Waterloo, Canada. 1975
FOOD DRYING Gr. App. 6 to 12 Teacher Use (B)	Home Ec. Phys. Ed. Outdoor Ed. Library	An excellent "recipe" book on the what, how and why of drying food. A good activity resource that teaches nutrition, conservation, personal "can do" and self reliance. (216 pages)	by Phyllis Hobson Fitzhenry & Whiteside Ltd., Don Mills, Ontario. 1980
FOREST APPRECIATION Gr. App. 4 to 9 Teacher Use (BL)	Science	This booklet describes how a "sense walk" can be an interesting introduction to the study of a forest. The material describes various seasonal activities to undertake in the forest including mapping animal homes, studying levels of plant life, looking for birds' nests, and noting animal adaptations. (28 pages)	prepared by the Vancouver Environment Education Project (VEEP) Vancouver, B.C. 1976

FORGOTTEN CORNER (THE) Gr. App. 4 to 9 Teacher Use (B)	Social St. Lang. Arts	"Medicine Hat to Havre." The early homesteading life is explored. Stories of specific people and copies or original documents spice up this local history. The 327 page book is liberally illustrated and it is also indexed.	the New Horizons Committee and History Book Society, Medicine Hat, Alberta. 1981
FORT MACLEOD'S HISTORIC DOWNTOWN Gr. App. 4 to 9 Student/Teacher Use (BL)	Social St.	This is a booklet with a map and many photographs outlining a walking tour of 31 structures of historical interest. It contains short descriptions of main street buildings which would be useful for Southern Alberta social studies teachers while visiting Fort Macleod.	available from Jim Mountain, Heritage Canada, Fort Macleod, Alberta.
FRESHWATER FISHES OF CANADA Gr. App. 10 to 12 Teacher Use (B)	Art Science Phys. Ed. Library	This is another comprehensive volume for serious investigations of fish. Material offered includes the description of various species as well as their range and distribution, relation to man and their scientific and common names. (966 pages)	by W. B. Scott & E. J. Crossman Fisheries Research Board of Canada. 1979 (about $24.95)
FRESHWATER POLLUTION, CANADIAN STYLE Gr. App. 10 to 12 Student/Teacher Use (B)	Social St. Debate	Written before the advent of so much attention on acid rain, this book contains the warning signals noted prior to this disaster. Appendixed is a copy of the Canadian Water Act. (126 pages)	Peter A. Larkin McGill - Queens University Press, Montreal, Quebec. 1974 (about $3.50)
FROM NATURE TO MAN Gr. App. 3 to 12 Teacher Use (B)	Science Social St.	This is a text which focuses on science and the environment. The four major sections - Physical Environment, Natural Environment, Rural Environment, and Urban Environment- carefully address a number of the major concepts in environmental education. Superior pictures and diagrams frequent the 384 pages.	by Bruce L. Barrett & John N. Stratton Wylie Publishers of Canada, Ltd., Toronto, Ontario. 1976
FUTURE IN OUR HANDS (THE) Gr. App. 10 to 12 Student Use (B)	Lang. Arts Library	This is a heavily biased set of arguments regarding the human conditions in our world. Broad concepts of justice, responsibility and social awareness are examined in a worldwide view from the perspective of the Third World countires. Radical, but provocative solutions are advanced. For selected readers only. (171 pages)	by Erik Dammann Pergamon Press of Canada, Willowdale, Ontario. 1979
FUTURE SOURCES Gr. App. 3 to 6 Student Use (B)	Science	This book shows there are many energy alternatives available to meet the world's energy needs. Recycling, conservation, solar power, and storing energy are some of the topics discussed. Many brightly colored photographs and sketches accompany the clearly written text. (38 pages)	by John Satchwell Franklin Watts of Canada, Toronto, Ontario. 1981

G

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
GADABOUTS AND STICK-AT-HOMES: WILD ANIMALS AND THEIR HABITATS Gr. App. 5 to 8 Student/Teacher Use (B)	Science Library	The purpose of this book is to determine which creatures are gadabouts, or travellers, such as migratory birds; or stick-at-homes like bats, hares and lobsters. Some information is provided about the characteristics of each animal. There are very few illustrations. (116 pages)	by Lorus and Margery Milne John Wiley and Sons Canada Ltd., Rexdale, Ontario. 1980
GARBAGE BOOK (THE) Gr. App. 5 to 9 Student Use (B)	Science Social St.	One hundred pages that stresses that garbage is energy and that energy savings are possible through described methods including packaging, waste, recycling, and making good use of "garbage".	by Office of Energy Conservation Information Canada, Ottawa, Ontario.

GEOLOGY OF THE BANFF AREA: A STUDENT'S GUIDE Gr. App. 8 to 11 Student/Teacher Use (BL)	Science Outdoor Ed.	This booklet gives a tour for students of the geological formations from Mr. Yamnuska to Sulfur Mountain. Geologic time lines and diagrams are included.	by R. G. Bray published by the Canadian Society of Petroleum Geologists, Calgary, Alberta.
GHOST TOWNS OF ALBERTA Gr. App. 7 to 12 Student/Teacher Use (B)	Social St. Lang. Arts Library	The illustrations really enhance this historic treat. A 190 page general overview of the province's more prominent ghost towns, the text uses seven divisions and explains the circumstances surrounding the decline of the specific towns.	by Harold Fryer Mr. Paperback, P.O. Box 3399, Langley, B.C. 1981 (about $5.95)
GIVING TREE (THE) Gr. App. 2 to 7 Student/Teacher Use (B)	Lang. Arts Social St. Library	This is the story of the loving relationship between a boy and a tree. As the boy grows he begins to want more from the tree and the tree willingly gives. It is a beautiful story that simply illustrates man's losing touch with nature and then his realization of nature's importance. (60 pages)	by Shel Silverstein Fitzhenry & Whiteside Ltd., Don Mills, Ontario. 1964
GOLD PANNER'S MANUAL Gr. App. 10 to 12 Teacher Use (B)	Outdoor Ed. Social St. Science	Although the photography could be improved, this handy aid to panning for gold outlines the historical significance of gold, facts, location hints and how to pan and separate gold. Methods of placer mining, equipment and a miners dictionary are also part of the text. (110 pages)	by Garnet Basque Mr. Paperback, P.O. Box 3399, Langley, B.C. 1979 (about $3.95)
GRANDFATHER SYMONS' HOMESTEAD BOOK Gr. App. 4 to 7 Student Use (B)	Lang. Arts Social St. Library	An indexed 80 page soft cover book tells about frontier and pioneer life in the Prairie provinces. From barnyards and blizzards to homesteads and harvests students can read of the hardships endured throughout the year by settlers who came from many countries.	by R. D. Symons Western Producer Prairie Books, Saskatoon, Saskatchewan. Lethbridge Public Library. 1981 (about $12.95)
GREEN PLANTS OF ALBERTA Gr. App. 4 to 12 Teacher Use (B)	Science Social St. Lang. Arts Math Art	Using a thematic approach to develop environmental education objectives, this book does much to promote environmental studies by providing activities that extend and augment the existing Alberta curriculum. (142 pages)	edited by Susie Washington Alberta Environment. 1980
GRIZZLY COUNTRY Gr. App. 7 to 12 Student Use (B)	Lang. Arts Science Library	This 302 page nature book is full of wilderness adventure. Mr. Russell's observations reveal the natural history of the bear, his habitat and range, his habits, his antics, his food, his life cycle and much about his temperment and personality. The book offers very entertaining reading.	by Andy Russell Published by Alfred A. Knoph/Random House of Canada Ltd. 1967 (about $12.95)
GUIDE TO ALBERTA VERTEBRATE FOSSILS FROM THE AGE OF THE DINOSAURS (THE) Gr. App. 4 to 12 Teacher Use (B)	Science Social St.	This is a guide to fossils that is written at a child's level yet does not talk down to them. It is well and liberally illustrated and the main emphasis is smaller vertebrate remains. Ways to identify and record findings are also included. (127 pages)	by Hope Johnson Publication No. 4 Provincial Museum, Edmonton, Alberta. 1974
GUIDE TO THE BEHAVIOR OF COMMON BIRDS (A) Gr. App. 9 to 12 Teacher Use (B)	Science Art Library	Most of the bird species described in this unusual bird study book are found in Alberta. Information regarding birds: visual displays; auditory displays; behavior description during courtship; nest building; territorial claims and breeding; plumage; and, migration combine to provide an intriguing look at bird life. (336 pages)	by Donald W. Stokes Little, Brown & Company, Toronto, Ontario. 1979
GUIDE TO ROCKS AND MINERALS OF THE NORTHWEST Gr. App. 6 to 12 Teacher Use (B)	Science Library	Types of rocks, valuable minerals and prized collectable rocks and minerals are captured in this handy field guide. Quality color photography and simply written, brief descriptions provide a necessary mininum of information. (33 pages)	by Stan Leaming & Chris Leaming Hancock House Publishers LTD., Surrey, B.C. 1980 (about $3.00)

H

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
HAMLYN NATURE GUIDES - FOSSILS Gr. App. 8 to 12 Teacher Use (B)	Science Library	This compact guide identifies over 200 common fossils using clearly illustrated and annotated photographs, descriptions and keys. An introductory section explores fossil formation and tips on how to collect fossils. (120 pages)	by Richard Moody Hamlyn Publishing Group Ltd Toronto, Ontario. 1979
HARPER AND ROW'S COMPLETE FIELD GUIDE TO NORTH AMERICAN WILDLIFE: WESTERN EDITION Gr. App. 7 to 12 Teacher Use (B)	Science Outdoor Ed. Library	Birds, mammals, reptiles, amphibians, fishes, mollusks and some marine invertebrates found in Western North America are identified and described in detail in this handy field guide. (809 pages)	Assembled by Jay Ellis Ransom Fitzhenry & Whiteside Ltd. Don Mills, Ontario. 1981
HARVEST THE SUN Gr. App. 9 to 12 Teacher Use (B)	Science Indust. Ed.	Much practical information is offered in this book. There are sections on the design and construction of solar houses and on the retrofitting of older dwellings. Sufficient instructions are given to build a test solar collector. (207 pages)	by Nick Nicholson Firefly Books, Ayer's Cliff Centre for Solar Research, Ayer's Cliff, Quebec. 1978 (about $9.95)
HAZARDOUS WASTE MANAGEMENT IN ALBERTA Gr. App. 10 to 12 Teacher Use (B)	Social St. Science Library	The high-risk natures of many waste materials makes it absolutely necessary that the best and most up-to-date information be known. The "horror stories" of the 1980's must not be retold in Alberta.	Environmental Council of Alberta 2100 College Plaza Tower, Edmonton, Alberta. 1980
HEADWATERS Gr. App. 10 to 12 (B)	Lang. Arts Library	There is a collection of poems which have their taproots mainly in the rocky watersheds of Alberta. They embrace an outlook and way of life that draws its strength from a deep and authentic rapport with nature. The poems convey strong land orientated images. (110 pages)	by Sid Marty McClelland & Stewart, 25 Hollinger Road, Toronto, Ontario. 1973 (about $4.95)
HERITAGE OF CANADA Gr. App. 4 to 11 Student/Teacher Use (B)	Social St. Lang. Arts Library	Much of the history of Canada is chronicled in this clearly illustrated and highly readable volume. From 1603 to 1918 the events which helped to form our nation. were significant. They comprise the foundation of our nation. Canadian history comes alive in these 376 pages.	by Heritage Canada The Reader's Digest Assoc. (Canada) Montreal, P.Q. 1978 (about $27.00)
HIDDEN PERSUADERS (THE) Gr. App. 9 to 12 Student/Teacher Use (B)	Social St. Lang. Arts Visual Commun. Marketing Library	This book discusses all aspects of the advertizing world as it applies to the individual. The morals and ethics of the advertizing world are revealed and questioned. It is easy to associate with as it uses current ads as examples. A chapter on use of advertizing by politicians is included.	by Vance Packard Penguin Books Canada Ltd. Markham, Ontario. (about $2.50)
HIGH WEST (THE) Gr. App. 7 to 9 Teacher Use (B)	Lang. Arts Library	This is a handsome 140 page book of mountain country in prose enhanced by spectacular photography in a separate section of the book. Descriptions of life in the mountains, interpreted in a dramatic but sensitive style, convey beauty and exhilaration.	by Blacklock and Andy Russell Macmillan of Canada, Toronto, Ontario. 1974 (about $9.95)
HISTORY OF THE CROW'S NEST PASS (A) Gr. App. 5 to 12 Teacher Use (B)	Social St. Library	This Master's thesis by Professor Emeritus of History Jim Cousins gives us a highly readable account of the history of the Crow's Nest Pass. It includes early exploration and rail surveys, coal mining development and settlement, the Frank Slide disaster and information on present ghost towns.	by W. J. Cousins Historic Trails Society, Lethbridge, Alberta. 1981
HISTORY OF LETHBRIDGE AND DISTRICT COAL MINERS Gr. App. 4-10-11 Teacher Use (BL)	Social St. Science Library	A 45 page mimeographed collection of articles and letters compiled about the history and production of coal in the area, past and present provides useful background for Alberta's past and for those studying energy sources and local industries. The work is illustrated with photographs and maps.	Sir Alexander Galt Museum West End 5th Avenue South, Lethbridge, Alberta.

HOME TANNING AND LEATHER MAKING GUIDE Gr. App. 7 to 12 Teacher Use (B)	Phys. Ed. Outdoor Ed. Indust. Ed.	This book is an activity resource that teaches self-reliance manual skills and the ethic of utilization of resources, not waste. The material will provide the user with an introduction to a craft that is practised by very few. (176 pages)	by Albert Farnham A. R. Harding Printing, Columbus, Ohio. 1950 (about $3.00)
HONEYBEE (THE) Gr. App. 2 to 5 Student Use (B)	Science Library	Thirty-two pages of information on the honeybee are available to the reader. A large number of fine illustrations attract the user. The text is well within reach.	by Paula Z. Hogan Raintree Publishers Group Toronto, Ontario 1979
HORSE FOR RUNNING BUFFALO (A) Gr. App. 4 to 6 Student Use (B)	Lang. Arts Social St. Library	The reader is treated to an 88 page narrative about a young Blackfoot boy in Southern Alberta 150 years ago. Excellent action sketches illustrate the lifestyle of this proud and powerful people. More about the Blackfoot culture and customs is contained in a useful factual epilogue with some historical photographs and maps. (NOTE: Could be checked for cultural bias, et al.)	by Madeline A. Freeman Van Nostrand Reinhold Ltd. Toronto, Ontario. 1972 (about $3.95)
HOW AND WHY WONDER BOOKS (THE) (A SERIES) Gr. App. 2 to 12 Student Use (B)	Science	This series gives basic information about scientific subjects and also explains the various ways in which scientists explore and investigate the universe. Emphasizing experiments, dozens of activities are suggested for scientifically minded children to try. All the titles are valuable but many focus on the environment.	by Beaverbooks Fitzhenry & Whiteside Ltd. Don Mills, Ontario.
HOW ANIMALS HIDE Gr. App. 3 to 7 Student/Teacher Use (B)	Science Lang. Arts	Pictures abound in this 40 page book, explaining camaflouge, and how animals, fish and insects are protected by their colourings.	National Geographic Society (about $14.95)
HOW DID WE FIND OUT ABOUT COAL? Gr. App. 4 to 9 Student Use (B)	Science Social St.	In this volume the author describes the role coal has played in industrialization and modernization. History is traced from the discovery of fire to the industrial revolution. Concerns for the future of energy resources are emphasized as well. (64 pages)	by Isaac Asimov John Wiley & Sons Canada Ltd. Rexdale, Ontario. 1980 (about $6.95)
HOW DID WE FIND OUT ABOUT SOLAR POWER? Gr. App. 3 to 7 Student Use (B)	Science	Isaac Asimov takes a look at the uses of the sun's energy from the time of the Greeks and Roman's to present day. A number of the earliest solar heating devices are illustrated and described. (62 pages)	Isaac Asimov John Wiley & Sons Canada Ltd. Rexdale, Ontario. 1981 (about $6.95)
HUNDREDS OF IDEAS FOR OUTDOOR EDUCATION Gr. App. 1 to 12 Teacher Use (B)	Science Art Social St.	The array of categories encompassed in this book lends itself to a multi-disciplinary approach. Astronomy, arts and crafts, birds, geology, horticulture, Indian life, marine life, habitats, photography, plants, seasons, weather, trees, wildflowers, reptiles and amphibians, and outdoor skills are only a few of the many topics covered. (148 pages)	by Russell E. Bachert Interstate Printers & Publishers, Inc. Danville, Illinois. 1979
HUNGER* THE WORLD FOOD CRISIS Gr. App. 4 to 12 Teacher Use (B)	Social St. Science Resource	This material guide is one of a series designed to facilitate the introduction of contemporary environmental topics to all grades. Annotated reading lists, audio-visual guides and agencies are a few of the resources listed in this 69 page reference.	by Kathryn Merlial Fowler N.S.T.A. - Washington, D.C. 1977
HUTTERITE SOCIETY (THE) Gr. App. 4 to 9 Teacher Use (B)	Social St.	This thorough treatment of the Hutterite sect is recommended as background reading for teachers. Hostetler provides a wealth of information on the history and origins of the Hutterites, their religious beliefs and customs, their communal living, the roles of men, women and children and everyday life within a colony.	by John A. Hostetler University of Toronto Press, Toronto, Ontario. from Lethbridge Public Library (U of L. Library)

I

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
I HEARD THE OWL CALL MY NAME Gr. App. 7 to 10 Student Use (B)	Lang. Arts Library	This is a story of a young priest coming to terms with his own death and the destruction of the way of life of West Coast Indians. As the story unfolds the reader learns about the culture and customs of the Indian tribe and its place in Canadian History. It is a poignant and moving tale. (133 pages)	by Margaret Craven Totem (paper back) Books 1975, and, Clarke Irwin and Co. Ltd. Don Mills, Ontario. 1967 (about $8.95)
I LOVE MY PLANT Gr. App. 1 to 3 Student Use (B)	French Lang. Arts Science Library	For those Division One classes involved in the study of plants this is a very useful book. Often, youngsters have an opportunity to grow their "own" plant. Since the text is in both French and English it may have even greater utility. It is nicely illustrated.	Kids Can Press Toronto, Ontario. 1979 (about $3.50)
ILLUSTRATED HISTORY OF WESTERN CANADIAN AGRICULTURE Gr. App. 7 to 12 Teacher Use (B)	Social St. Library	Grant McEwan provides a readable and colourful account of farming and ranching in the West. Experimental farms, machinery, wheat pools, war years and the depression are discussed. Of special interest is the chapter concerning the effects of circumstances on people and the economy. (185 pages)	by Grant McEwan Modern Press, Saskatoon, Saskatchewan. 1980
ILLUSTRATED NATURAL HISTORY OF CANADA (THE) (A SERIES) Gr. App. 4 to 10 Student/Teacher Use (B)	Social St. Science Library	The several volumes of this series focus on the main geophysical regions of Canada and on the bird, fish and mammals found across the nation. A general index book aids in the location of material. Superior photographs, illustration, charts and maps offer both information and appeal.	Natural Science of Canada, Ltd., Toronto, Ontario. 1974 (about $23.00)
IN THE FOOTSTEPS OF THOMAS BLAKISTON 1858 Gr. App. 7 to 10 Student/Teacher Use (B)	Social St. Science Library	This is a regional historical monograph tracing Thomas Blakiston's route in South Alberta in 1858 when he explored the Southern passes of the Rockies to determine their possibilities for a railway. Maps marking Blakiston's route and many quotes from his diary are included. (56 pages)	by Bruce Haig Historic Trails Society, 1115 - 8 Avenue South, Lethbridge, Alberta. 1980 (about $5.95)
IN THE SHADOW OF A RAINBOW Gr. App. 7 to 9 Student Use (B)	Lang. Arts Library	This novel is written about the true experiences of a man and his encounter with the wilderness of Northern British Columbia during an attempt to save an endangered wolf pack. It offers a good look at nature in balance. (175 pages)	by Robert F. Leslie A Signet Book, The New American Library of Canada Ltd. 1974 (about $1.75)
INDIAN LEGENDS OF CANADA Gr. App. 4 to 9 Teacher/Student Use (B)	Lang. Arts Social St. Library	The legends are representative of the tribes of the Atlantic and Pacific coast, the Eastern Woodlands, and the Prairies. They enable the reader to sense the powerful spiritual and poetic resources of mankind as the legends' reflect the lives of these people. (161 pages)	by Ella E. Clark McClelland Publishing Ltd. Toronto, Ontario. 1981 (about $4.95)
INDIAN NAMES FOR ALBERTA COMMUNITIES Gr. App. 4 to 12 Teacher Use (BL)	Social St. Lang. Arts	This short 19 page booklet will add another dimension to the classroom. Hugh Dempsey has included most Alberta communities and the proper names are in alphabetical order. Most Indian names usually referred to geographical features, describing the town itself and this concept could extend itself to a theme approach.	by Hugh Dempsey Glenbow Alberta Institute Occasional Paper No. 4. 1965 (about $1.50)
INDUSTRIAL POLLUTION: POISONING OUR PLANET Gr. App. 6 to 9 Student/Teacher Use (B)	Science	The horrible effects of industrial pollution and industrial waste on human beings and their environment are examined. The authors explain how we mishandle and even ignore the hazardous materials that have become such an integral part of our lives. Some black and white photos are included. (118 pages)	by Eve & Albert Stwertka Franklin Watts Publishing, Toronto, Ontario, 1981
INVISIBLE ADDITIVES: ENVIRONMENTAL CONTAMINANTS IN OUR FOOD Gr. App. 8 to 12 Teacher Use (B)	Science Health Library	Food additives do not end with the list of chemicals on the side of the package. Many of the potential and real health hazards linked to chemicals in food stem from contamination by substances in the environment. The reader is shown how to avoid certain additives and how to cut down on their intake. (269 pages)	by Linda R. Pim Doubleday Canada Ltd., Toronto, Ontario. 1981 (about $9.95)

ISLAND FOREST YEAR ELK ISLAND NATIONAL PARK Gr. App. 7 to 12 Student/Teacher Use (B)	Science Library	The author's intimate knowledge of the ecology of Elk Island National Park is chronicled in this 257 page book. Black and white diagrams enhance a lively text which takes the reader through the seasonal changes found month by month in the park.	by Deidre Griffiths University of Alberta Press, Edmonton, Alberta. 1979 (about $12.50)
ISLAND Gr. App. 9 to 12 Student Use (B)	Lang. Arts Social St. Library	This book is science-fiction. It is another type of Utopian spoof in the manner of Brave New World. The island of Pala has its Shangri-La-like isolation shattered by the arrival of an outsider. The story analyses social change from within and without and asks the question, "Can Man save himself?" (295 pages)	by Aldous Huxley Fitzhenry & Whiteside Ltd. Don Mills, Ontario. 1972
IT COULD HAVE BEEN WORSE Gr. App. 5 to 9 Teacher Use (B)	Social St. Lang. Arts Library	This autobiography of an Albertan pioneer humorously recalls the struggle for survival and the toil required to develop the land so that people could manage a living in the 1920's. (198 pages)	by Peggy Holmes Collins Publishing, Toronto, Ontario. 1980 (about $3.95)

J

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
JOHN MUIRS'S WILD AMERICA Gr. App. 10 to 12 Teacher Use (B)	Science Lang. Arts Library	The author has followed John Muir's footsteps through the Appalachian Mountains, the swamplands of Georgia, the wildlife of Florida and various other areas. The photographs and descriptions are worth savouring. (220 pages)	by Tom Melham Photos by Farrell Greham National Geographic Societ 1976
JOY OF CAMPING (THE) Gr. App. 5 to 12 Teacher Use (B)	Phys. Ed. Outdoor Ed. Library	This 300 page soft cover book is a complete reference for outdoor pursuits. Included are chapters on tents, sleeping bags, clothing, stoves, food, packs, making camp, canoeing, kayaking, cross-country skiing and maps and compass use. There are many excellent and practical tips and it is very easily read.	by Richard W. Langer Penguin Books Canada Ltd, Markham, Ontario, 1973
JOY OF NATURE - HOW TO OBSERVE AND APPRECIATE THE GREAT OUTDOORS Gr. App. 7 to 12 Student/Teacher Use (B)	Science Phys. Ed. Social St. Library	This 352 page livishly illustrated book gets the reader truly involved in the outdoors. Topics surveyed include: trees and forests, mountains and highlands, sea and shore, grasslands and meadows, weather and astronomy, geology and earth history, and lakes and rivers. It includes 100 special participation features to help one better enjoy nature.	Reader's Digest Assoc. Montreal, Quebec. 1977 (about $20.00)
JULIE OF THE WOLVES Gr. App. 7 to 12 Student Use (B)	Lang. Arts Library	A young Eskimo girl is forced to rethink her historical past as she fights for survival with the aid of a pack of wolves in Alaska. Her life with the wolves affects the role of these animals in a harsh habitat. (170 pages)	by Jean Craighead George Paperback, Fitzhenry & Whiteside Ltd. Don Mills, Ontario. 1977 (about $2.75)

K

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
KANANASKIS VALLEY HIKER'S AND CROSS-COUNTRY SKIER'S GUIDE (THE) Gr. App. 7 to 12 Teacher Use (B)	Outdoor Ed. Phys. Ed. Library	Photographs, maps, and illustrations supplement this guide to hiking and cross-country ski trails along the Kananaskis highway. Hiking times, skiing level, elevations, and brief descriptions of each trail provide necessary information for visitors to the area. (68 pages)	by C. Ruth Oltmann Ribbon Creek Publishing, 1978 Available at the Provincia Museum bookshops
KITES TO MAKE AND FLY Gr. App. 4 to 6 Student/Teacher Use (B)	Indust. Ed. Science	This small soft cover book has a place as a teacher resource book or a "how-to" book for the independent student. The diagrams are clear and, more importantly, the kites fly. (unpaged)	by Jack Newnham Penguin Books of Canada, Markham, Ontario. 1977
KOOTENAI BROWN 1839 - 1916 Gr. App. 7 to 10 Student/Teacher Use (B)	Social St. Lang. Arts Library	This 251 page illustrated book reveals facts and legends about this soldier, prospector, constable, buffalo hunter, mail rider and pioneer conservationist who became the first Superintendent of Waterton Lakes National Park. The work provides a refreshing opportunity to read about a Canadian "character".	by William Rodney Gray's Publishing Ltd. Sidney B.C. 1969 (about $2.95)

L

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
LADY BIRD BOOK SERIES 536 Gr. App. 2 to 7 Student Use (B)	Lang. Arts Science Social St.	The books in this series are sufficiently small in size and appealing in format to tempt even reluctant readers. A sampling of titles includes: The Night Sky; The Weather; Pond Life; and, The Story of Rocks and Minerals.	by William Collins Sons & Canada Co. Ltd., Don Mills, Ontario.
LADY BIRD ACHIEVEMENT SERIES 601 Gr. App. 2 to 7 Student Use (B)	Lang. Arts Science Social St.	All the Lady Bird Books are similar in design. Usually about half is text and half is made up of delightfully appropriate pictures. Titles like: The Story of Oil; The Story of Flight; and, The Story of Railways provide children with "bite-size" knowledge units.	by William Collins Sons & Canada Co. Ltd., Don Mills, Ontario.
LADY BIRD BASIC READING SERIES 737 Gr. App. 2 to 7 Student Use (B)	Lang. Arts Science Social St.	Timely and interesting topics often lure children toward the Lady Bird Series. Elementary students, and others, pursue such titles as: Medicine; Radio; Underwater Exploration; Plastics; Nuclear Power; and, Dinosaurs.	William Collins Sons & Canada Co. Ltd., Don Mills, Ontario.
LAND OF PETER POND (THE) Gr. App. 7 to 12 Student/Teacher Use (B)	Social St. Science Library	The oil sand area of the province is examined, recognizing that the mining has enormous consequences on the region and its people. The rich historical background and present situation is described in this 130 page illustrated book.	by John W. Chalmers, Editor The Boreal Institute for Northern Studies, University of Alberta, Edmonton, Alberta.
LANDSCAPES OF SOUTHERN ALBERTA (THE) Gr. App. 7 to 12 Teacher Use (B)	Geology Earth Sci.	Landforms from the mountains to the plains in Southern Alberta are given extensive study in this edition. Physical factors affecting topography, such as water, wind, and ice are dealt with as well as rock types, diastrophic forces, composition and the age of regions. (95 pages)	by Chester B. Beaty University of Lethbridge, Printing Services. 1975 [Provincial Museum Edmonton, Alberta]

LAST INDIAN BATTLE (THE) Gr. App. 5 to 8 Teacher Use (B)	Social St. Library	The first 16 pages of this soft cover book provide background information for teachers on the last inter-tribal Indian battle (1870) located on the Oldman (formerly Belly) River. The topography and artifacts found are described in detail. (NOTE: Could be checked for cultural bias, et al.)	Archaeological Society of Alberta Lethbridge Center, 2117 - 14 Ave. South, Lethbridge, Alberta
LEARNING ABOUT NATURE THROUGH CRAFTS Gr. App. 1 to 6 Teacher Use (B)	Lang. Arts Art Library	This is a 128 page guide to 157 craft projects such as crafts from nature's tree trimmings; seeds, stems, roots, leaves and fruits. Sections on something to look for, something to talk about, and something to make provide excellent nature experiences for young people. (NOTE: Could be checked for cultural bias, et al.)	by Virginia W. Musselman Stackpole Books, House of Books, Lethbridge, Alberta.
LEARNING ABOUT NATURE THROUGH GAMES Gr. App. 1 to 6 Teacher Use (B)	Lang. Arts Art Science Library	This is a 128 page activities and games book related to nature experiences. Emphasis is placed on sensory awareness games, nature name games, make it and play it activities, and scavenger and treasure hunts. An index of games, by type, is provided.	by Virginia W. Musselman Stackpole Books, House of Books, Lethbridge, Alberta.
LESSON PLANS FOR USING THE OUTDOORS IN TEACHING Gr. App. 1 to 4 Teacher Use (BL)	Science Math Lang. Arts	The lesson plans in this booklet provide teachers with specific ideas for how to teach outdoors. The plans provide preliminary inside activities, outside activities, and follow-up activities for indoors. Topics include: cloud studies, colors, twigs, oral description, rain, planting bulbs, seeds, trees, the five senses, and autumn leaves. (48 pages)	by Mary D. Houts Interstate Printers & Publishers, Inc. Danville, Illinois. 1976
LIFEBOAT - MAN AND A HABITABLE EARTH Gr. App. 5 to 11 Teacher Use (B)	Science Social St. Library	This is a textbook which addresses a wide variety of ecological and environmental concerns. There is a strong focus on the impacts of increasing populations and concentrations within cities. Data and information from all over the world are presented in a readable and easily understood format. (335 pages)	by Ken Hewitt Wiley Publishers of Canada Ltd. Toronto, Ontario. 1976 (about $11.50)
LIGHT IN THE WILDERNESS Gr. App. 4 to 12 Teacher Use (B)	Science Art Religious Ed. Library	This book is unique. It contains 48 beautiful colour plates from across Canada. With each is a few words from verses in the Bible to highlight the reader's appreciation of the environment. (100 pages)	by P. Von Baich Oxford University Press, Toronto, Ontario. 1981 (about $9.95)
LIVES AT STAKE; THE SCIENCE AND POLITICS OF ENVIRONMENTAL HEALTH Gr. App. 7 to 12 Teacher Use (B)	Science Social St. Indust. Ed. Health Library	Mankind is largely unprotected from the hazards resulting from industrialization. A large number of potential environmental problems and influencing factors are examined. Monied interests, lobbying and political decision-making are topics discussed in 154 page volume.	by Laurence Pringle Collier Macmillan Canada Co. Don Mills, Ontario. 1980
LIVING WITH THE LAND: USE OF PLANTS BY THE NATIVE PEOPLE OF ALBERTA Gr. App. 5 to 11 Teacher Use (BL)	Science Phys. Ed. Library	Many of the native plants of Alberta were used by Indian people for a variety of purposes. This 39 page booklet investigates this use and identifies plants, through descriptions and drawings, gives the names and explains how the various tribes utilized them.	by Ivan Kerik Alberta Culture, Circulating Exhibits Program
LONGFELLOW'S POETICAL WORKS Gr. App. 7 to 12 Teacher Use (B)	Lang. Arts Social St. (Music) Library	The poem, "The Song of Hiawatha" is a woodland Indian Edda. The legends of a tribe reflect the culture and heritage of that time and changes bought about by the coming of white man. Three legends have been arranged in operatic format by Coleridge - Taylor.	by Henry Waddsworth Longfellow E. Moxan Son & Company, Dover St. London. (other editors available)
THE LOON'S NECKLACE Gr. App. 1 to 3 Teacher Use (B)	Lang. Arts Art Social St. Library	The magic of an Indian legend is combined with an illustrated collage giving new visual excitement to the splendour of inner B.C. The legends illustrated are grouped interpretations of the relationship of man, beast and the environment. (24 beautiful coloured pages.)	by Elizabeth Cleaver & William Toye Oxford University Press, Toronto, Ontario. 1977 (about $5.95)

LORD OF THE FLIES Gr. App. 10to 12 Student Use (B)	Lang. Arts Library	This frightening parody of Man's possible return to life in the dark ages is intensely depicted through the eyes of children fighting for survival in an isolated community. This book gives much food for thought and dircussion. (223 pages)	by William Golding Paperback Oxford University Press, Toronto, Ontario. 1977 ($5.95)
LORAX (THE) Gr. App. 1 to 6 Student Use (B)	Science Social St. Lang. Arts Library	In this tale the "Onceter" describes the one beautiful land covered with Truffula trees. After the creatures have cut down all of the trees for "Thneeds" they realize that the resulting pollution was not really what they had intended. It ends on a positive note. (70 pages)	by Dr. Seuss Random House of Canada Ltd., Mississauga, Ontario. 1971
L.L. BEAN GUIDE TO THE OUTDOORS (THE) Gr. App. 8 to 12 Teacher Use (B)	Outdoor Ed. Phys. Ed. Library	Concentrating on proper selection of outdoor gear, this guide provides tips and suggestions for choosing suitable inner/outer wear, sleeping bags, tents, packs, knives, axes, canoes, snowshoes, and skis. An index and appendices supplement this carefully illustrated reference. (229 pages)	by Bill Riviere with the staff of L.L. Bean Random House, Toronto, Ontario. 1981

M

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
MALIGNE; VALLEY OF THE WICKED RIVER Gr. App. 7 to 11 Teacher Use (BL)	Outdoor Ed. Social St. Phys. Ed. Science Library	This is a beautifully photographed and illustrated geological and historical story of Maligne river and canyon, Jasper National Park, This 32 page booklet also includes descriptions of typical mountain landforms.	by Mernam Forster for Parks Canada Minister of Supply & Services Canada. 1971 [Warden, Jasper National Park]
MALO'S COMPLETE GUIDE TO CANOEING AND CANOE CAMPING Gr. App. 7 to 12 Teacher Use (B)	Phys. Ed. Outdoor Ed. Social St. Library	Although the title suggests this is a "complete" guide, it actually provides only general, basic information on the history of paddling, stroking, canoe-camping and modern trips. This is still a fine book for beginners. There are very few pictures. (275 pages)	by John Malo Collier Macmillan Canada Ltd., Don Mills, Ontario. 1979
MAMMALS OF ALBERTA (THE) Gr. App. 1 to 12 Teacher Use (B)	Science Library	Long a basic reference for the people of Alberta, this book is a useful guide to be used in the study and identification of the small and large mammals found within our province. A clearly written text is supported by a number of maps, drawings and colour plates. (402 pages)	by J. Dewey Soper Queen's Printer, Edmonton, Alberta. 1964
MAMMALS OF CANADA Gr. App. 4 to 12 Teacher Use (B)	Science Library	This book is an authoritative account of the 196 species of mammals that occur in Canada. Information is included on physical characteristics, habits, activity patterns, feeding, reproduction, and economic importance. Distribution maps, color plates and black-and-white drawings add to the usefulness of the text. (438 pages)	by Alexander W. Banfield University of Toronto Pres Toronto, Ontario. 1974 (about $25.00)
MAN AND HIS WORLD - POLLUTION Gr. App. 3 to 5 Student Use (B)	Social St. Science Health Library	This book, part of the "Man and His World" series, gives a clear, concise introduction to the problems faced in the areas of noise pollution, water pollution, air pollution, threats to life in the oceans, the waste of the land, and the ever-present dangers of radiation. (48 pages)	by John Burton The Book Society of Canada Limited. Agincourt, Ontario. 1974 (about $4.95)
MAN AND NATURE Gr. App. 7 to 12 Teacher Use (B)	Science Biology	This text book examines the human organism and how its life interweaves with the lives of other creatures that share the chemical and physical features of this planet. (514 pages)	by John Kimball Addison Wesley Pub., Don Mills, Ontario. 1975

MAN'S ENVIRONMENT Gr. App. 4 to 6 Student Use (B)	Social St. Science	Profusely illustrated, this little book gives the younger reader a simple introduction to environmental problems. Food and famine, overpopulation, conservation, pollution and ecological balance are some of the topics covered. (48 pages)	by Anne Harris GLC Publishers Limited, Agincourt, Ontario. 1978
MARKED BY THE WILD Gr. App. 10 to 12 Student/Teacher Use (B)	Lang. Arts Science Library	This is an anthology of literature inspired by the Canadian wilderness. Samples of prose and poetry of some 65 Canadian authors, most of whom are actively writing today, are included in this anthology. The major theme suggests that it is the influence of our environment that makes Canadian literature unique. (278 pages)	editors - B. Littlejohn & J. Pearce McClelland & Stewart, Toronto, Ontario. 1973 (about $5.50)
MARY OF MILE 18 Gr. App. 3 to 6 Student Use (B)	Lang. Arts Art Library	The author wrote this book for the students near the Alaska Highway of B.C. In it the teacher uses water and colour and narrative to illustrate the way of life of her own students. (36 pages)	by Ann Blades Tundra Books, Montreal, Quebec. 1971 (about $4.95)
MEDICINE BOY AND OTHER CREE LEGENDS Gr. App. 1 to 7 Student Use (B)	Social St. Lang. Arts Library	There are 25 short legends written in simple yet descriptive language. Younger children will especially enjoy these stories as they have good basic story lines which include people, animals and morals as themes.	by Eleanor Brass Glenbow Alberta Institute 1980 (about $4.95)
MEN AGAINST THE DESERT Gr. App. 7 to 12 Teacher Use (B)	Social St. Science Library	An indexed 250 page account of many significant facts relating to the history of prairie drought. The contention is that the conquest of the desert in the Palliser Triangle in the 1930's was the greatest Canadian success story since the completion of the C.P.R.	by James Gray Western Producer Prairie Book, Saskatoon, Saskatchewan. 1967 (about $6.95)
METHODS OF COLLECTING AND PRESERVING VERTEBRATES ANIMALS Gr. App. 9 to 12 Teacher Use (B)	Science Phys. Ed.	This manual gives detailed instructions for trapping, killing and preserving vertebrates found in Canada. Methods include drying, skin and hide tanning, skull and skeleton treatment. Information about licences to collect and the recognition of diseased animals is also given. (199 pages) (NOTE: Great caution should be exercised.)	by R. M. Anderson Supply and Services Canada, Ottawa, Ontario. 1977 (about $4.00)
MIGHTY MITES IN DINOSAUR LAND (THE) Gr. App. 2 to 6 Student Use (B)	Science Lang. Arts Library	There is adventure in the Badlands of Alberta when the "Mighty Mites" slide back to the age of dinosaurs. This book is good free reading as preparation for a field trip. (45 pages) (An Owl Learning Through Adventure Book.)	by Emily Hearn and Mark Thurman from Owl Magazine, Greey de Pencier, Canadian Wildlife Federation 1981 (about $4.95)
MOUNTAIN MAN Gr. App. 7 to 12 Student Use (B)	Lang. Arts Library	This is the dramatized novel of people of the early west who helped settle the mountain and foothills regions and their interaction with the environment. Based on the life of John Johnston and Jane Morgen, two "settlers" of the early west, the story is both interesting and exciting. (305 pages)	by Vardir Fisher William Morrow & Co. Inc., 1965 (about $2.95)
MOUNTAIN WILDERNESS SURVIVAL Gr. App. 9 to 12 Teacher Use (B)	Phys. Ed.	In this book. Patterson presents much information specific to the climate and topography of most of Alberta. He offers practical advice on all aspects of mountain camping and survival. (192 pages)	by Craig E. Patterson And/Or Press Inc., Berklely, Ca. (about $4.95 paper)
MOUNTAINS AND THE SKY (THE) Gr. App. 5 to 12 Student/Teacher Use (B)	Social St. Art Library	This book shows how the artist's techniques and perceptions of the Canadian West have changed over the years. The environment has been changed by man and with that the artist's view of it has also been revised. A truly western presentation of art work is the result.	by L. Render McClelland & Stewart, Toronto, Ontario. (about $9.95)

MOUNTAINS AND VALLEYS: A GUIDE TO THE LANDSCAPE OF WATERTON LAKES NATIONAL PARK Gr. App. 8 to 11 Teacher Use (BL)	Science	This 22 page booklet is a good source of information about the geology of Waterton Park. There is good information on glaciation and excellent pre-trip material for an earth science fieldtrip.	by Ben Gadd Information Services, Parks Canada, Waterton, Alberta. 1981
MY HEART SOARS Gr. App. 4 to 12 Student Use (B)	Lang. Arts Library	A magnificent celebration of the oneness of the native people with their environment, the work of Chief George is moving and triumphant. The poetry is beautifully illustrated by the drawings of Helmut Hirnschall. (95 pages)	by Chief Dan George Hancock House Publishers, Saanichon, B.C. 1974 (about $14.95)
MY LIFE AS AN INDIAN Gr. App 7 to 12 Teacher Use (B)	Lang. Arts Library	An autobiography of a man's efforts to adopt an Indian way of life in the time before the buffalo were slaughtered, the book gives insight into human nature and the natural world. (204 pages)	by J. W. Schultz Fawcett Publications. Greenwich, Conn. 1935 (about $5.95)

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TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
NATIVE TREES OF CANADA Gr. App. 5 to 12 Teacher Use (B)	Science Library	Color photos, distribution maps and detailed photos aid in the identification of the 140 species presented in this volume. The trees are presented by family and indexed by common and scientific names. Excellent identification keys are provided. (380 pages)	by R. C. Hosie Canadian Forestry Service, Queen's Printer 1969 (about $9.95)
NATIONAL GEOGRAPHIC BOOK OF MAMMALS Gr. App. 1 to 12 Teacher Use (B)	Science Art Library	Presented in two volumes and illustrated in the Geographic's excellent manner, this set of books focusses on many of the workd's animals. At least half of each book is made up of photographs. An index of common and scientific names is included. (608 pages)	National Geographic Washington, D.C. 1981
NATURE DRAWING: A TOOL FOR LEARNING Gr. App. 4 to 12 Teacher Use (B)	Art Science Library	This sourcebook begins with a discussion of materials, equipment, methods and techniques. Other chapters deal specifically with the drawing of plants, birds, animals, and landscapes. Simple exercises aid in developing skills, while an informative text supplies basic natural history and ideas for subjects. (206 pages)	by Clare Walker Leslie Prentice-Hall Canada Inc., Scarborough, Ontario, 1980
NATURAL DYES Gr. App. 10 to 12 Teacher Use (B)	Home Ec. Art	This book introduces the "natural" dyeing process in easy-to read recipes. It deals with approximately thirty-five different dyes that can be extracted from plants. Collecting drying and storing are some of the areas that are discussed. Step-by-step instructions aid the reader. (72 pages)	by Hermine Lathrop-Smit James Lorimer and Company, Toronto, Ontario. 1978
NATURALIST PAINTER Gr. App. 7 to 12 Student/Teacher Use (B)	Art Science Library	The author is both a naturalist and a painter. This book presents another point of view of how to capture wildlife in its habitat. Although not for everyone, this material would be of value for the very talented and motivated student. (96 pages)	by D. Dekker Western Producer Prairie Books, Saskatoon, Saskatchewan. 1980 (about $29.95)
NATURE DISCOVERIES WITH A HAND LENS -- ALSO -- ADVENTURES WITH A HAND LENS Gr. App. 2 to 7 Student/Teacher Use (B)	Science	Using these books as a guide, together with a hand lens, the reader can participate in 50 adventures involving careful observation. Flowers, fish scales, insect wings, crystals etc., await to be discovered. (220 pages)	by Richard Headstrom General Publishing Co. Ltd Don Mills, Ontario. 1981

NATURE GUIDE TO ALBERTA (A Gr. App. 1 to 12 Student/Teacher Use (B)	Science Social St. Phys. Ed. Library	This magnificently illustrated text is a detailed nature guide that encompasses the entire province. It describes 171 different locations in Alberta, telling the reader how to get there, what camping facilities are available, and which birds, mammals, reptiles, amphibians, fishes, flowers, rocks and fossils can be found in the area. (368 pages)	from the Provincial Museum of Alberta Hurtig Publishers, Edmonton, Alberta. 1980 (about $14.95)
NATURE QUIZZES FOR CANADIANS Gr. App. 4 to 12 Teacher Use (B)	Science Social St. Lang. Arts Library	As the title indicates, short, interesting questions and answers on everything from Canada's National Parks to misnamed animals are included in this valuable teacher reference. Black and white illustrations add interest. (144 pages)	by Vicky and Bill McMillan Douglas and McIntyre, Vancouver, B.C. 1976 (Provincial Museum) (about $5.95)
NOISE IN ALBERTA Gr. App. 9 to 12 Teacher Use (BL)	Science Social St. Library	Noise has every characteristic of an environmental pollutant. It affects us in biological, psychological and social ways. This booklet outlines various aspects of noise, describes some information available, and gives details about participation in the province-wide public hearings on noise pollution. (155 pages)	prepared by Roy McBride Environment Council of Alberta, Edmonton, Alberta. 1980
NOISE IS A HEALTH HAZARD Gr. App. 9 to 12 Teacher Use (BL)	Science Social St. Library	Noise is considered a health hazard, since it frequently interferes with an individual's state of well being. This booklet discusses general physiological reactions and the psychological and behavioral effects of noise. (15 pages)	prepared by John Throckmorton Environment Council of Alberta, Edmonton, Alberta. 1980
NORTH AMERICAN MOOSE Gr. App. 10 to 12 Teacher Use (B)	Science	A comprehensive doctoral thesis on the North American moose this work is now being used as a basis for a management programme for the moose. Few aspects of the moose's life are left unknown since the publication of this study. (280 pages)	by R. Peterson University of Toronto 1971 (About $12.50)
NORTHERN COOKBOOK Gr. App. 7 to 12 Teacher Use (B)	Home Ec.	This is a very wide ranging cookbook that contains hundreds of down to earth recipes along with hints of the handling of many types of wild game. Much of the information given in the book is useful background material. (358 pages)	by Eleanor A. Ellis (Ed.) Queen's Printers, Ottawa, Ontario. 1967 (about $9.95)
NORTHERN FRONTIER: NORTHERN HOMELAND: VOLUME 1 Gr. App. 9 to 12 Teacher Use (B)	Social St. Law Science Resource Library	This is the volume of the Mackenzie Valley Pipeline Inquiry. The focus is on the impact of such a pipeline on the culture and heritage of the Dene nation and Innuit and white men living in the area. This report is well written, easy to read and beautifully illustrated. (200 pages)	by Mr. Justice Thomas Berger Printing & Publishing, Supply & Services Canada, Ottawa, Ontario. 1977 (about $9.95)
NORTHERN SURVIVAL Gr. App. 7 to 12 Teacher Use (B)	Outdoor Ed. Phys. Ed. Library	Precise, practical instructions, supplemented by clear, simple line drawings, cover all aspects of survival in the north. Topics include psychological aspects, first aid, food and water, shelter, fire, and signals. (105 pages)	prepared by the Employment and Related Services Div. Government of Canada Fitzhenry and Whiteside, Don Mills, Ontario. 1979 (about $4.95)
NUCLEAR ENERGY CONTROVERSY (THE) Gr. App. 8 to 11 Student/Teacher Use (B)	Science Power Tech. Social St. Indust. Ed. Electricity Health Library	Nuclear energy is discussed in a straightforward, impartial manner. The history of nuclear energy, what it is, types of reactors and the pros and cons of these, as well as the political implications of nuclear energy are examined. (103 pages)	by Stephen Goode Franklin Watts of Canada Toronto, Ontario 1980
NUCLEAR POWER FROM PHYSICS TO POLITICS Gr. App. 6 to 10 Student/Teacher Use (B)	Science Social St. Library	The history and development of nuclear power is surveyed. The author explains the physics of fission and describes the nuclear fuel cycle, pointing out potential risks and existing safety measures at each stage. The arguments of both environmentalists and nuclear power advocates are presented. (130 pages)	by Laurence Pringle Collier Macmillan Candad Ltd. Don Mills, Ontaro 1979

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TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
OBASAN Gr. App. 9 to 11 Student/Teacher Use (B)	Lang. Arts Social St. Library	This powerful and passionate 250 page novel tells, through the eyes of a young girl, the moving story of the Japanese Canadians during World War II. Its power comes from the beauty of the writing, the stark imagery, and vivid symbolism used by this new, young novelist.	by Joy Kogawa Lester & Orpen Dennys Ltd., Toronto, Ontario. 1981 (about $13.95)
OCEANS OF ENERGY; RESERVOIR OF POWER FOR THE FUTURE Gr. App. 6 to 10 Student/Teacher Use (B)	Science Social St. Indust. Ed. Library	An accredited children's author, Goldin has created an interesting and comprehensive view of how the ocean can be converted to energy for human needs. Different methods of extracting energy as well as farming the ocean, are carefully described and supplemented with photographs and line drawings. (144 pages)	by Augusta Goldin Academic Press Canada. Don Mills, Ontario. 1980
OIL MACHINES Gr. App. 4 to 9 Student Use (B)	Science Social St. Library	The technology of the oil industry is very well described and illustrated in this thirty-one page book. Much of the text is devoted to the semi-submersible rigs used in ocean drilling.	by Christopher C. Pick Raintree Publishers Group Toronto, Ontario 1979
OIL RIG Gr. App. 4 to 8 Student Use (B)	Science Guidance Indust. Ed. Library	A wealth of information about oil rigs and how they function is housed within this reference. Careers in the oil business are discussed. Many brightly colored photos accompany the informative and easy to read text. (48 pages)	by Neil Potter GLC Publishers Ltd., Agincourt, Ontario. 1977
OIL SPILLS: DANGER IN THE SEA Gr. App. 6 to 10 Student/Teacher Use (B)	Science Social St. Library	Pollution from oil spills is examined. The causes of this problem, the equipment and scientific knowledge required for clean-up operations and the costs in terms of dollars and environmental damage are discussed. (123 pages)	by Joseph E. Brown Hollinger House Ltd., Toronto, Ontario, 1978
ON THE EDGE OF THE SHIELD Gr. App. 7 to 10 Student/Teacher Use (B)	Social St. Library	This 60 page book is about Fort Chipewyan and its hinterland. Fort Chipewyan is the oldest continously settled community in Alberta, and in this book an understanding of its past, present and future struggles is revealed.	by John W. Chalmers, Editor The Boreal Institute for Northern Studies, University of Alberta, Edmonton, Alberta, (about $2.00)
ONCE MORE UPON A TOTEM Gr. App. 6 to 9 Student Use (B)	Lang. Arts Library	Written about the Northern Coast Indians, the Tlingit, Haida, Tsimshian and Kwakiutl tribes this book tells four stories. The student is led to an understanding of how lore and history are recorded by the storyteller. (195 pages)	by Christie Harris McClelland and Stewart, Toronto, Ontario, 1978 (about $4.95)
ONE HUNDRED WAYS TO SAVE ENERGY AND MONEY IN THE HOME Gr. App. 6 to 11 Student/Teacher Use (BL)	Science Social St. Indust. Ed. Library	This 160 page booklet deals with energy conservation in the home, apartment or cottage. It deals with furnaces, thermostat settings, insulation, heating, cooling, etc., and contains helpful charts, checklists and a glossary.	by Office of Energy Conservation, Information Canada, Ottawa, Ontario.
ONE SMALL STEP -- AN INTRODUCTION TO ENVIRONMENTAL STUDIES Gr. App. 7 to 10 Teacher Use (B)	Science Social St. Indust. Ed. Art	This book is an introduction to environmental studies and provides information and activities related to air, soil, water, and population pollution; oil and our use of it; sewage; electricity and its production; food production; garbage; urban studies; transportation; and an examination of man's reaction to environmental problems now and in the future. (104 pages)	by Paul D. Holloway and Peter P. Tiesma New Canada Publications, Box 4010, Station A, Toronto, Ontario M5W 1H8. 1977 (about $5.00)

OPENING OF THE CANADIAN WEST (THE) Gr. App. 3 to 6 Student/Teacher Use (B)	Social St. Lang. Arts Library	This 96 page text, from the Canadian History Series, offers good photographs, selected biographies, selected further readings and questions for discussion. Chapters on Early Settlement, European Immigrants and Alberta and Saskatchewan are useful "pioneer " readings.	by Douglas Hill Windjammer Book, Academic Press, Toronto, Ontario. 1973 (about $4.95)
ORIENTEERING FOR SPORT AND PLEASURE Gr. App. 7 to 12 Teacher Use (B)	Phys. Ed. Math Social St.	Covering both the competitive and simply useful aspects of using map and compass, this volume provides simple material for the beginner and more technical hints for the advanced. Illustrations amplify the text. (224 pages)	by Bengston and Atkenson Macmillan of Canada, Toronto, Ontario 1977
ORIENTEERING HANDBOOK Gr. App. 3 to 8 Teacher Use (BL)	Science Outdoor Ed. Phys. Ed. Math Social St.	Originally planned for physical education teachers, this adaptable plan-book lays out a beginner's course in orienteering suitable for any novice to this sport. An interesting format and well-planned text provide valuable information for anyone interested in teaching orienteering. (48 pages)	by Anne Anthony Hancock House Publishers, North Vancouver, B.C. 1980 (about $5.95)
OUTDOOR ADVENTURE ACTIVITIES FOR SCHOOL AND RECREATION PROGRAMS Gr. App. 4 to 12 Teacher Use (B)	Phys. Ed. Science Library	This book is an excellent teacher reference for outdoor education lesson ideas. Separate chapters are devoted to such activities as cycling, skin diving, basic canoeing, sailing, cross-country skiing, snowshoeing, backpacking, camping, rock climbing, map and compass reading, and iniative games. (307 pages)	by Paul W. Darst and George P. Armstrong Atlantic Book Ltd., Fredericton, N.B. 1980
OUTDOOR EDUCATION: A MANUAL FOR TEACHING IN NATURE'S CLASSROOM Gr. App. All Grades Teacher Use (B)	All Subjects Library	In the space of 198 pages the author manages to provide excellent information, advice and suggestions as to why one might teach in the out-of-doors and what might be taught there. Careful attention is paid to such topics as planning and routines and others suitable for presentation at workshops or seminars.	by Michael Link Prentice-Hall Canada Inc., Scarborough, Ontario. 1981
OUTDOORS CANADA Gr. App. 4 to 12 Student/Teacher Use (B)	Science Phys. Ed. Social St. Library	The various regions of Canada are thoroughly examined in this 348 page volume. The variety of geography, flora and fauna found in our nation are effectively described in pictures and words and there are many up-to-date maps. Many outdoors sports and activities are discussed. Pages are oversize.	From The Reader's Digest, Montreal, P.Q., 1977 (about $27.95)
OUTDOOR SURVIVAL SKILLS Gr. App. 7 to 12 Teacher Use (B)	Phys. Ed. Science Library	The reader is provided with a superb source of "how-to" skills ranging from shelters, weapons, fires, food and clothing to the most important skill of the development of mental competence and resourcefulness. It provides an interesting perspective on man and nature. (240 pages)	by Larry Dean Olsen Brigham Young University Press, Salt Lake City, Utah, (about $2.95)
OVER A BARREL Gr. App. 10 to 12 Teacher Use (B)	Science Social St. Indust. Ed. Library	This book takes a close look at each of the main energy sources, their potential and some of their impacts. The author compares some of the economic, social and environmental effects which different energy sources have on society, and discusses energy decision-making in Canada. (275 pages)	by Jan Marmorek Doubleday & Company Inc., Toronto, Ontario, 1981 (about $9.95)
OVER 2000 PLACE NAMES OF ALBERTA Gr. App. 4 to 12 Teacher Use (B)	Social St. Library	Brief meanings, origins and, in some cases, histories are given for the place names listed in this book. It offers the casual browser or the serious researcher much interesting and useful information. (240 pages)	by E. J. and P. M. Holmgren Western Producer Book Service, Saskatoon, Saskatchewan. 1976 (about $10.95)
OWL FUN BOOKS (SERIES) Gr. App. 2 to 6 Student Use (B)	Science Library	Each of the "fun books" contains 128 pages of material designed to appeal to the elementary student. Puzzles and stories, information and adventure are offered in a format similar to that found in the very successful Owl magazine.	no authors listed published by Owl Magazine, Toronto, Ontario, 1982

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TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
PAINTED TENT (THE) Gr. App. 7 to 12 Student Use (B)	Lang. Arts Library	This paperback is a sensitive novel about a young fugitive boy in England and his complete devotion to a peregrin falcon which had just escaped captivity and thus had no natural instincts of a hunting bird. This book teaches about peregrin falcons and helps students develop empathy for an endangered species. (207 pages)	by Victor Canning Penguin Books Canada Ltd., Markham, Ontario, 1974 (about $2.00)
PARK BUFFALO (THE) Gr. App. 9 to 12 Teacher Use (B)	Social St. Science Library	This detailed summary of how the nearly extinct buffalo were preserved in the National Parks of Canada, is an interesting well-researched historical account. It provides information on the early extermination of buffalo, and elaborates on the near-accidental saving of this species. (68 pages)	by Sheilagh C. Ogilvie, Calgary-Banff Chapter, National and Provincial Parks Association of Canada 1979
PARKLAND PORTRAITS: SOME NATURAL HISTORY OF THE PRAIRIE PARKLANDS Gr. App. 5 to 11 Teacher Use (B)	Science Outdoor Ed. Phys. Ed. Art	The flora and fauna of the prairie parklands are described and photographed with great care and detail. Although not an all-inclusive resource, this is an easy-to-use identification guide for most of Alberta. (127 pages)	by Doug Gilroy Western Producer Prairie Books, Saskatoon, Saskatchewan. 1979 (about $14.95)
PARKS OF THE PRAIRIE PROVINCES (THE) Gr. App. 10 to 12 Teacher Use (B)	Science Library	This is a general guide to the Prairie Parks. There are brief descriptions of most major attractions and would be best used as an overview. If more information was required the National Provincial Park publications would better serve. (183 pages)	by Doug and Bobbe Tatreau, Mitchell Press Ltd., Vancouver, B.C., 1978 (about $7.95)
PASSIVE SOLAR ENERGY BOOK (THE) Gr. App. 9 to 12 Teacher Use (B)	Science Indust. Ed. Library	This large book presents a wealth of information on passive solar homes, greenhouses and other buildings. It provides clear diagrams and discussion together with sufficient technical information to make the methods work in various latitudes. (435 pages)	by T. Mazria Rodale Press, Toronto, Ontario, 1979
PATH OF THE PADDLE Gr. App. 7 to 12 Teacher Use (B)	Phys. Ed. Outdoor Ed. Library	This beautifully composed book graphically illustrates, with photographic sequences, the basics of canoeing as well as the competence and mastery required to handle the wildest river. It is a classic Canadian work combining the beauty of our land with the precision of canoeing skills. (200 pages)	by Bill Mason Van Nostrand Reinhold Ltd., Toronto, Ontario, 1980 (about $24.95)
PEOPLE OF THE BUFFALO Gr. App. 4 to 6 Student Use (B)	Social St. Lang. Arts Art Library	Here is a fascinating account of the life of the plains people before the white man. Campbell, who is half Cree, is particularly concerned with the relationship between the Indians and their environment. The book has many ideas for Indian crafts. (47 pages)	by Maria Campbell J. J. Douglas and Co., Vancouver, B.C., 1976 (about $8.95)
PEOPLE'S LAND (THE) Gr. App. 10 to 12 Student/Teacher Use (B)	Social St. Lang. Arts Library	The predicament of the contemporary Canadian Eskimo is chronicled emphasizing the destructive processes and social deformations of colonialism. Against this background the 233 pages of this non-fiction book depict the Eskimos' fight to try and regain control over their own life and land.	by Hugh Brody Penguin Books, Markham, Ontario, 1975 (about $3.50)
PERSON/PLANET Gr. App. 10 to 12 Student/Teacher Use (B)	Lang. Arts Social St. Science Health Library	Based in Sociology, this 347 page volume explores the conflict of personal identity as it struggles within the planetary environment. In an industrial society there is a concern for the family, work life, culture and education. The impact of bigness is a major focus of the work.	By Theodore Roszak Doubleday Canada Ltd., Toronto, Ontario, 1979
PHOTOGRAPHY FOR THE JOY OF IT Gr. App. 10 to 12 Teacher Use (B)	Indust. Ed. Visual Comm.	This book is valuable for both the amateur and the serious nature photographer. It attempts to free the user from the technical restraints. There are 50 great tips to make your picture clearer and more expressive. This 168 page guide has many pictures to illustrate the ideas presented.	by Freeman Patterson Van Nostrand, Reinhold Limited, Toronto, Ontario, 1977 (about $24.95)

PHYSICAL ENVIRONMENT (THE) Gr. app. 7 to 9 Student/Teacher Use (B)	Earth Sci. Social. St. Library	This book is Canadian oriented and covers all the major "Earth Science" topics. Maps, charts and pictures (black and white) are provided and stereo pictures are included. Information is brief and to the point. Each chapter has a bibliography. (240 pages)	by R. Inch and W. Hone McGraw Hill Ryerson Ltd., Scarborough, Ontario, 1981 (about $11.45)
PIONEERS OF THE ATHABASCA OIL SANDS - BOOK I Gr. App. 7 to 12 Teacher Use (BL)	Science Social St. Indust. Ed.	This first booklet provides considerable information on the history and geography of the Fort McMurray Lake Athabasca region. It provides a logical preamble for Book II. (26 pages)	by A. H. Skolrood, et al. Syncrude Education Services Edmonton, Alberta, 1979
PIONEERS OF THE ATHABASCA OIL SANDS - BOOK II Gr. App. 7 to 12 Teacher Use (BL)	Science Social St. Indust. Ed.	This second booklet features six sections which deal with various dimensions of work and study in the region. The contributions of scientists and entrepreneurs, questions of resource ownership, available technology, and the costs of extraction are examined. (40 pages)	by A. H. Skolrood, et al. Syncrude Education Services Edmonton, Alberta, 1979
PLANT GEOGRAPHY OF ALBERTA: AN INTERPRETATION BASED ON THE 1965 VEGETATION MAPS (A) Gr. App. 10 to 12 Teacher Use (B)	Science Social St. Library	Beginning with the causes for the various plant growth in Alberta (recent glaciation, climate, fire, man) - this reference discusses, in detail, the four main plant zones in Alberta. Forests, parklands, grasslands, and cultivated land areas are displayed in maps, tables and photos. A bibliography provides background information for the text. (147 pages)	by Margaret E. A. North University of Alberta, Edmonton, Alberta, 1976 (Provincial Museum) (about $5.00)
POEMS OF A SNOW-EYED COUNTRY Gr. App. 7 to 12 Student Use (B)	Lang. Arts French Library	The starkness of the Canadian landscape is depicted region by region in poetry. Each region is bridged to the next by prose. The annotation includes thematic groupings which use environmental headings. (170 pages)	edited by Richard Woollatt and Raymond Souster Academic Press Canada, Don Mills, Ontario, 1980 (about $4.95)
POISONED LAND: THE PROBLEM OF HAZARDOUS WASTE Gr. App. 5 to 12 Teacher Use (B)	Science Social St.	This book discusses the aspects of hazardous waste disposal such as past accidents, effects on humans and the environment guidelines for disposal, and offers suggestions for the future. Also presented are some of the guidelines set up by the Environmental Protection Agency. (87 pages)	by Irene Kiefer McClelland and Stewart Ltd., Toronto, Ontario, 1981
POND BOOK (THE) Gr. App. 4 to 9 Teacher Use (BL)	Science Lang. Arts Art	This booklet provides background information and activities for the study of the origin and nature of ponds and the plant and animal life that they sustain. Suggested activities include identification of the resident plants and animals, construction of food webs, pollution studies, and the constructing a photo album of pond pictures. (40 pages)	prepared by Micheal Hoebel Vancouver Environment Education Project (VEEP) Vancouver, B.C., 1977
PRAIRIE BIRDS IN COLOR Gr. App. 4 to 11 Teacher Use (B)	Science Outdoor Ed. Art Library	Here is another beautifully photographed and formatted edition from this well-known conservationist. Birds of prey, common ducks and geese, and song birds of the prairies are included with a short description of each. (111 pages)	by Doug Gilroy Western Producer Prairie Books, Saskatoon, Saskatchewan, 1976 (about $14.95)
PRAIRIE BOY'S SUMMER (A) Gr. App. 4 to 6 Student Use (B)	Lang. Arts Social St. Art Library	Every other page in this book is a complete "story" and is accompanied by a full-page Kurelek painting. Each story depicts a typical event during the summer months in a prairie farming community in the '30's and is focused around the author's own boyhood. (40 pages)	by William Kurelek Tundra Books of Montreal, Montreal, Quebec, 1975 ($6.95)
PRAIRIE BOY'S WINTER (A) Gr. App. 4 to 6 Student Use (B)	Lang. Arts Social St. Art Library	Every other page in this book is a complete "story" and is accompanied by a full page Kurelek painting. Each story depicts a typical event during the winter months in a prairie farming community in the '30's and is focused around the author's own boyhood. (40 pages)	by William Kurelek Tundra Books of Montreal Montreal, Quebec, 1975 (about $6.95)

PRAIRIE GARDENER Gr. App. 4 to 8 Teacher Use (B)	Science	This book addresses the special problems of gardening on the prairies. Mr. Harp provides information on all types of flowers, vegetables, fruit and lawns. He lists many species of plants which have proven hardy in the prairie climate. (304 pages)	by H. F. Harp Hurtig Publishers, Edmonton, Alberta, 1970 (about $8.95)
PRENTICE-HALL CONCISE BOOK OF ENERGY (THE) Gr. App. 10 to 12 Teacher Use (B)	Science Indust. Ed. Social St.	Beautiful colored photographs accompany the text of this book. It explains the fundamentals of energy and chronicles the exploitation of the earth's chief energy resources. The first use of natural gas to the latest developments in nuclear technology are covered in a largely "jargon free" text. (96 pages)	by Frank Frazer Prentice-Hall Canada, Toronto, Ontario, 1981 (about $12.95)
PROBING THE ATHABASCA GLACIER: CASE HISTORY OF A GLACIER IN THE COLUMBIA ICEFIELD: JASPER NATIONAL PARK Gr. App. 8 to 11 Teacher Use (BL)	Science Geology Social St.	Interesting black and white photographs graphically illustrate the formation, composition, physical properties, characteristics, movement, and erosive capabilities of the Athabasca glacier. The booklet is a handy guide to include on a field trip. (32 pages)	by Dr. Richard E. Kucera Department of Geological Sciences, University of B.C., Vancouver, B.C., 1972 (about $1.75)
PROCESS CONSULTATION Gr. App. All Grades Teacher Use Only (B)	Environ. Ed.	Teachers should develop skills in group dynamics. This book will be of great assistance as it teaches how to enable groups to reach their goals more effectively. The author gives diagnostic strategies and intervention techniques to redirect group processes. This is an easy-to-read book. (147 pages)	by Edgar Schein Addison-Wesley (Canada) Ltd. Don Mills, Ontario, 1969
PROJECT LEARNING TREE - 1 to 6 Gr. App. 1 to 6 Teacher Use (B)	Science Fine Arts Lang. Arts Social St. Math.	The PLT program provides eighty-nine activity units which combine to form an interdisciplinary approach to environmental education. Although the focus is on trees the spectrum is much wider. (NOTE: The user must attend a PLT workshop before gaining access to the material.)	from The American Forest Institute Written by: Western Regional Environmental Education Council, 1975
PROJECTS SOURCEBOOK FOR LIFE SCIENCE Gr. App. 7 to 12 Teacher Use (B)	Science	The projects offered involve living animals in the natural environment. Students are expected to discover and understand the interrelationships between the organism and its environment. (188 pages)	by Paul Paetkau Doubleday Canada Ltd., Toronto, Ontario, 1975 (about $6.90)

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TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
RAIN BOOK (THE) Gr. App. 3 to 6 Student Use (B)	Lang. Arts Science Music Library	There are songs, poems, legends, fun activities, experiments and factual information in this activity-book for children. Studies of puddles and the water cycle as well as weather prediction are illustrated with drawings and photographs. (46 pages)	by Susannah Howick and Brenda Irvine Western Education Development Group (VEEP), Ministry of the Environment, Victoria, B.C. 1980
RAISINS AND ALMONDS Gr. App. 8 to 12 Student Use (B)	Lang. Arts Library	This story tells of the sociological development of a prairie community during the depression as seen through the eyes of a Jewish child living in a predominantly Scandanavian community. (189 pages)	by Fredelle Bruser Maynard Paper Jacks Paperback, Doubleday Publishers, Markham, Ontario 1975 (about $2.25)
RANDOM HOUSE PICTURE BOOK SERIES Gr. App. 1 to 3 Student Use (B)	Lang. Arts Science Social St. Library	The several books in this children's series offer many exciting and interesting stories. Titles in the series include: The Little Lamb; A Book of Seasons; Busy Day, Busy People; The Little Duck; A First Book About Colour; and, Someone is Eating the Sun.	various authors Random House Picture Book Series, Random House Publishers, Canada, Mississauga, Ontario.

RAVEN'S CRY Gr. App. 5 to 10 Student Use (B)	Lang. Arts Social St. Art Library	In legend form, this story tells of how the artistic culture of the Haida Indians have preserved and are preserving the heritage of the art and culture of this great western coast tribe. (193 pages)	by Christine Harris Macclelland and Stewart, Toronto, Ontario, 1973 (about $5.95)
READ ABOUT SERIES Gr. App. 3 to 7 Student Use (B)	Science Social St. Health Library	The topics covered in this series for young readers are interesting and up-to-date. The titles include: Trains and Railroads; Weather; Space; Pollution; Deserts; Airplanes and Balloons; The Universe; The Jungle; The Story of Cars; and, Fuel and Energy.	Various Authors Raintree Publishers Group Toronto, Ontario
REFERENCE BOOK ON URBAN ECOLOGY (A) Gr. App. 9 to 12 Teacher Use (B)	Science Social St. Health	For city dwellers, this is a sometimes frightening account of plant and animal life in an urban environment. Dagg describes: the various habitats - dumps, parks, roads, etc., the bird and animal species within; the diseases these creatures cause and spread and finally, the sources of pollution and resultant effects. (190 pages)	by Anne Innis Dagg Otter Press, Waterloo, Ontario, 1981 (about $10.00)
RIVER CAMPING: TOURING BY CANOE, RAFT, KAYAK, AND DORY Gr. App. 8 to 12 Teacher Use (B)	Science Phys. Ed. Outdoor Ed. Library	More than a "how-to" book, the renowned author gives the reader a glimpse of a lifestyle and suggests a code of conduct based on his conservationist views. The basics of river travel - clothing, equipment, type of vehicle, skills, safety, camping, and survival - are supplemented with line drawings and photographs. (154 pages)	by Verne Huser A Solstice Press Book, Douglas and McIntyre, Vancouver, B.C., 1981 (about $14.95)
RIVER CROSSING 1883 - 1980 Gr. App. 6 to 9 Teacher Use (BL)	Social St.	Set in the Medicine hat area, this booklet examines the ingenius ways which have been used to cross a major geophysical barrier, the South Saskatchewan River. Stones of fords, ferry systems and bridges are presented. (22 pages)	by Fiona Milne The Historical Society of Medicine Hat, Medicine Hat Museum. 1981
RIVERS ON BORROWED TIME Gr. App. 6 to 12 Student/Teacher Use (BL)	Phys. Ed. Science Library	This 28-page booklet examines eight Alberta and rates them as to their natural and recreational attributes but there is little ecological focus. The waterways are: the Milk; the Lower Red Deer; the Ram; the Bow; the Old Man; the Upper Red Deer; the North Ram; the South Ram; and the North Saskatchewan. Some useful maps are included.	by John Eisenhauer and Bozena Kolar McAra Printing, Calgary, Alberta, 1982
ROCKS, ICE AND WATER: THE GEOLOGY OF WATERTON-GLACIER PARK Gr. App. 8 to 11 Teacher Use (B)	Science	This 100-page soft cover book provides a very thorough treatment of the geology and geomorphology of the Rockies in Southern Alberta and North Montana. Good information on rock formations, the Lewis Over-thrust fault, and glaciation as well as modern processes of erosion is provided.	by David D. Alt and Donald W. Hyndman Antonson Publishing Ltd., Vancouver, B.C., 1978 (about $5.95)
ROCKY MOUNTAINS: THROUGH THE EAGLE'S EYE (THE) Gr. App. 7 to 12 Teacher Use (B)	Art Phys. Ed. Lang. Arts Science Library	128 pages of haunting beauty serve to stimulate the spirit of adventure and entice the readers, through vision and word, to pick up the trails and to follow them through the breath taking wonders of the Rocky Mountains.	by Jon Whyte and Monica Jeannolte G.B. Publishing, Calgary, Alberta, 1981 (about $18.95)
ROCKY MOUNTAIN WILD FLOWERS Gr. App. 1 to 12 Teacher Use (B)	Science Biology Library	This is a 454 page field book which is the hiker's handy friend. This book has been designed for Jasper, Banff and Waterton Parks. It includes most of the flora found therein and a name index is included with both common and Latin names.	by A. E. Porsild Dagny Tande Ltd., National Museums of Canada. 1979 (about $6.95)
ROCKY MOUNTAIN WILDLIFE Gr. App. 5 to 10 Teacher Use (B)	Science	Here is an excellent reference book on mountain birds and mammals. The subject matter includes good material on hibernation and vegetation zones and it is well illustrated with many black and white sketches and cross-sections for photocopying. (127 pages)	by Don Blood, Tom W. Hall and Susan M. Baumgarten Hancock House Publishers, Saanichton, B.C., 1976 (about $24.95)

RODEO Gr. App. 3 to 10 Teacher Use (B)	Social St. Library	This is an excellent resource book on all aspects of rodeo. Understanding is developed by applying the many activities presented in the appropriate curricular areas. A multi-disciplinary approach to environmental education is utilized wherever possible. (140 pages)	by Lorraine Rowan Alberta Environment and Alberta Recreation and Parks, Edmonton, Alberta, 1983
ROUGHING IT EASY Gr. App. 9 to 12 Teacher Use (B)	Outdoor Ed. Phys. Ed.	Written by a home economist, this paperback's main value to a teacher is in the area of food and equipment planning. It also contains good, nutritious camp recipes and interesting utensil improvisations. There are good photos to clarify the descriptions of "how-to" items. (245 pages)	by Dian Thomas Random House of Canada Ltd. Mississauga, Ontario, 1977 (about $2.95)
ROYAL CANADIAN MOUNTED POLICE (THE) Gr. App. 4 to 9 Student/Teacher Use (BL)	Social St. Library	This is an attractive 59 page soft cover booklet in four parts. The sections deal with the reasons for the formation of the North West Mounted Police, their trek west in 1874, the establishment of law and order, and their work in the Twentieth century. It is well illustrated with black and white photographs, sketches, maps and diagrams.	by Phyllis A. Arnold Canadian Social Sciences Services Ltd., Edmonton, Alberta. 1974

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TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
SALMON (THE) Gr. App. 2 to 5 Student Use (B)	Science Library	The life-cycle of the salmon is examined very well in this colourful text. Excellent artist's drawings are considerably easier to understand than more-complex photographs. (31 pages)	by Paula Z. Hogan Raintree Publishers Group Toronto, Ontario 1979
SAVE THAT ENERGY Gr. App. 5 to 9 Student/Teacher Use (B)	Science Social St. Math Library	In a practical text with clear diagrams the author explains the energy forecast, where we went wrong in the past, what amount and kinds of energy we can count on in the future, and how we can learn to use this energy responsibly. Measurements are non-metric. (191 pages)	by Robert Gardner Musson Book Company, Don Mills, Ontario. 1981
SCARLET FORCE (THE) Gr. App. 5 to 7 Student Use (B)	Lang. Arts Social St. Library	This is an illustrated 154 page book, in the Great Stories of Canada Series, which describes the origin of the Mounties. It tells of the first twenty years that began with one of the great marches of history. The author reveals what those men were like and the difficulties and dangers they had to contend with.	by T. Morriss Longstreth Macmillan of Canada, Toronto, Ontario. 1974
SCENIC WONDERS OF CANADA: ILLUSTRATED GUIDE TO OUR NATURAL SPLENDORS Gr. App. 7 to 12 Student/Teacher Use (B)	Social St. Science Library	Here is a visual record of Canada's incredibly beautiful and diverse natural heritage. Both the biotic and abiotic features are highlighted. The book is divided into the major areas of Canada from coast to coast giving large coloured photographs and geologic charts of major landforms. Charts also show the natural organic succession of the habitats. (380 pages)	Reader's Digest Association Canada Ltd., Montreal, P.Q. 1977 (about $29.95)
SCIENCE FIELDTRIP PROGRAMS FOR USE IN THE NATURE RESERVE Gr. App. 4 to 6 Teacher Use (BL)	Science Social St.	This 89 page mimeographed booklet of school programs has been developed for use in the Nature Reserve. These fieldtrips activities reinforce concepts learned in the classroom and give them practical application in the "real" world outside the school building.	by Becky Cousins available at the Helen Schuler Coulee Center, Nature Reserve, Lethbridge, Alberta
SCIENCE ON A SHOESTRING Gr. App. 1 to 6 Teacher Use (B)	Science Math	Low-cost "hands on" science experiences are described in this book. Three themes are outlined and can be adapted to outdoor and environmental concerns. The themes are; Scientific Methods, Change and Energy, and Fields and Forces. There is a list of needed materials included. (190 pages)	by Herb Strongin Addison-Wesley Canada Ltd., Don Mills, Ontario. 1976

SCIENCE PROJECTS IN ECOLOGY Gr. App. 4 to 7 Student/Teacher Use (B)	Science	This book outlines twenty projects that can be done with inexpensive materials. Background information, carefully detailed illustrations, and simplified instructions on how to set up the experiments are clearly presented. Topics include pond life, animal behavior, food webs, terrariums, and life in a rotting log. (127 pages)	by Seymour Simon Saunders of Toronto Ltd., Markham, Ontario. 1972
SEASON ON THE PLAIN Gr. App. 9 to 12 Teacher Use (B)	Lang. Arts Science Library	Here is an excellent exploration of the natural history of the African plain. Taking place in a "rock island" in the middle of the plain it examines the flora and fauna that come in contact with the island through seasonal and climatic changes. (313 pages)	by Franklin Russell McClelland and Stewart, Toronto, Ontario. 1974 (about $8.95)
SEEDS POP, STICK AND GLIDE Gr. App. 4 to 9 Student/Teacher Use (B)	Science	The fascinating ways in which seeds are dispersed are examined in this book. Lauber's text is simple yet complete in its information. Excellent close up photographs provide additional detail. (57 pages)	by Patricia Lauber General Publishing Company Ltd., Don Mills, Ontario. 1981
SEEING THROUGH THE TREES Gr. App. 1 to 6 Teacher Use (BL)	Science Art Math	This 50 page coil-bound booklet is designed to add a further dimension to the interaction of children and trees. It provides a large number of activities through which children can develop a comprehensive understanding of trees and their interactions with plants and animals.	VEEP Projects Western Education Development Group, University of B.C., Vancouver, B.C. 1977 (about $5.00)
SEVEN ARROWS Gr. App. 4 to 9 Teacher Use (B)	Lang. Arts Social St. Library	A Cheyenne Indian writes about the culture of tribes of the plains before the coming of the white people. It provides insight into the reverence the Indians held for nature and the environment. (372 pages)	by Hyemeyoksto Storm Fitzhenry and Whiteside, Don Mills, Ontario. 1972
SHARING NATURE WITH CHILDREN Gr. App. 1 to 9 Teacher Use (B)	Science Social St. Lang. Arts Phys. Ed. Library	This delightful book is packed with games that can be used in any environmental setting. The games can teach patience, awareness, empathy, trust, concentration and experiences of the natural world. Activities and riddles supplement this outstanding resource. (135 pages)	by Joseph Bharat Cornell Ananda Publications, Nevada City, California 1979 (about $4.95)
SHORT HISTORY OF LETHBRIDGE, ALBERTA Gr. App. 1 to 6 Teacher Use (BL)	Social St. Science	This booklet describes the name "Coalbanks" and the incorporation of Lethbridge. It discusses the Indian period, the coal industry and the development of agriculture. It is very good background information for pioneer and early settlement studies.	by Alex Johnston Sir Alexander Galt Museum, Lethbridge, Alberta.
SIERRA CLUB SUMMER BOOK (THE) Gr. App. 5 to 7 Teacher Use (B)	Science	Here is a fine collection of factual information, trivia and ideas designed to help the reader explore "summer". Games, crafts, trips, insects, birds, gardens and a summer survival kit are only a few of the many "summer" topics covered. (160 pages)	by Linda Allison John Wiley and Sons Canada Ltd., Rexdale, Ontario 1977
SILENT SPRING Gr. App. 10 to 12 Teacher Use (B)	Science Social St. Library	This early publication shook the world with stories of the insanity that is contaminating our environment. It speaks of carelessness, greed and irresponsibility by individuals, corporations and societies and is very well documented. (304 pages) (NOTE: Teachers should be aware of the strong positions taken on the many issues examined.)	by Rachel Carson Fawcett Publications Inc., Greenwich, Conn., 1962 (about $2.50)
SKI CAMPING Gr. App. 8 to 12 Teacher Use (B)	Phys. Ed. Outdoor Ed. Health	The author relies on his past experiences to provide instruction in skills for snow camping. His aim is to keep skiers warm and comfortable in the snow and he details carefully the equipment, clothing, food, ski techniques, and camping skills necessary for enjoyable camping. (154 pages)	by Ron Watters Douglas and McIntyre, North Vancouver, B.C., 1979 (about $3.00)

SKI TRAILS IN THE CANADIAN ROCKIES Gr. App. 8 to 12 Teacher Use (B)	Phys. Ed. Outdoor Ed.	This guide contains information on mountain touring equipment and winter survival solution. It classifies the popular trails in the Banff, Yoho and Kootenay Parks and it tells whether they are novice, intermediate or advanced. (137 pages)	by Richard Kunelius Summerthought Publishers, Banff, Alberta. 1981 (about $4.95)
SMALL MAMMALS: A COLORING ADVENTURE IN CANADIAN THEMES Gr. App. 1 to 4 Student/Teacher Use (B)	Science Art	Shrews, moles, squirrels, and mice are a few of the small Canadian mammals accurately described in a subtle story-like manner. Clear drawings, accompanied by recommended colors, will keep children enthralled with this coloring book. (40 pages)	by Dr. Robert E. Wrigley H. B. Fenn and Co. Ltd., Toronto, Ontario. 1981 (about $4.95)
SOME NATIVE HERBAL REMEDIES Gr. App. 7 to 12 Teacher Use (BL)	Science Social St.	This booklet of 14 pages gives a brief description of many herbal remedies used by Cree Indians from many common plants. Information is of interest, but the reader is cautioned against trying the remedies.	by Anne Anderson University of Alberta Publication, Edmonton, Alberta. 1980 (about $1.50)
SOME USEFUL WILD PLANTS Gr. App. 7 to 12 Teacher Use (B)	Science Lang. Arts Library	David Manning has provided an interesting "down home" approach to the possible uses of wild plants in British Columbia. The medical and gastronomical uses of a variety of plants are described. Poisonous plants are also discussed in detail. (174 pages) (NOTE: As with all such information, caution should be used.)	by David Manning et al Talon Books, Vancouver, B.C. 1972
SOUTHERN ALBERTA A REGIONAL PERSPECTIVE Gr. App. 9 to 12 Teacher Use (B)	Social St. Science Library	Nine articles by various authors have been collected for this book. The topics are as follows: Geomorphology, climate, flora and fauna, history, agriculture and settlement, urban development, place names, administrative problems and a literary perspective. (123 pages)	editor: Dr. F. Jankunis University of Lethbridge Production Services. 1972
SPACE MACHINES Gr. App. 3 to 8 Student Use (B)	Science Library	Exciting pictures and a strong text deal with a topic of interest to many young people. Written primarily for the upper elementary student the topic and format could be useful and challenging to the reluctant junior high school reader. (30 pages)	by L.A. Ciupik and J.A. Seevers Raintree Publishers Group Toronto, Ontario 1979
SQUIRRELS OF CANADA (THE) Gr. App. 4 to 8 Student/Teacher Use (B)	Science Library	Twenty-two species of the Canadian squirrel family are described in this book with twenty-three full-size color photography plates. Maps indicate ranges of the animals while the text gives habitat, life cycle, personality and behavior of each animal. Anecdotes that are both amusing and informative are included. (195 pages)	by S. E. Woods Jr. National Museums of Canada, Ottawa, Ontario. 1980 (about $29.95)
STEP IN THE RIGHT DIRECTION: A BASIC MAP AND COMPASS BOOK Gr. App. 4 to 9 Teacher Use (B)	Science Phys. Ed. Outdoor Ed Math Social St.	Orienteering is well covered in this comprehensive summary which includes map interpretation, using a compass, magnetic declination, map and compass work, trip planning, physical fitness, weather forecasting, magnational problems, signals, a resources directory and index. (158 pages)	by Don Geary Van Nostrand Reinhold Pub., Scarborough, Ontario. 1980
STORIES MY GRANNY TOLD ME... Gr. App. 4 to 8 Student Use (B)	Lang. Arts Library	This is a collection of short tales written by the young people of Fort MacKay. The stories were told by their mothers and grandparents, in Cree or Chipewyan, then translated. Many original stories and poems are included.	Fort MacKay Tribal Administration Fort MacKay, Alberta.
STORIES OF THE OUTDOORS: AN ANTHOLOGY BY THE OUTDOOR WRITERS OF CANADA Gr. App. 7 to 12 Teacher Use (B)	Lang. Arts Library	These stories take place mainly in Eastern Canada. They are primarily written from a hunter's point of view and would serve as a good contrast to a conservationist viewpoint. (140 pages)	from: The Outdoor Writers of Canada, Mitchel Press Ltd., Vancouver, B.C. 1970

STORMY Gr. App. 5 to 9 Student Use (B)	Lang. Arts Library	This is the story of a young man living alone on a wilderness lake. He is befriended by a half-wild black retriever. The book tells of the attachment that grows between man and dog and the attachment of the young man to his surroundings. (150 pages)	by Jim Kjelgaard Bantam Skylark Press, New York, N.Y. (about $1.95)
STORY OF THE EARTH (THE) Gr. App. 8 to 10 Teacher Use (BL)	Science Library	There are many diagrams and photographs in this book which fits rather well with the Grade Eight Science program. The print, however, is quite small making it difficult to read easily. (36 pages)	North American Edition Pendragon House Inc., Mississauga, Ontario. 1930
STORY ON STONE PROJECT No. 20 Gr. App. 7 to 12 Teacher Use (B)	Social St.	This is a 76 page guide to the carvings and paintings on stone in Southern Alberta. All the pictures are annotated and the sites are described. There are also references cited for further study.	by the Archaeological Society of Alberta Lethbridge Center, Lethbridge, Alberta. 1980
STUDENT BIOLOGIST EXPLORES ECOLOGY (THE) Gr. App. 10 to 11 Student/Teacher Use (B)	Science	This book is designed to give the introductory biology student an appreciation of ecology. The intent is to develop the basic concepts and pictorial models that make up ecology so that the student is better prepared to understand, enjoy, and appreciate his environment. (116 pages)	by Leon Dorfman Richards Rosen Press Inc., New York, N.Y. 1975
STUMP BOOK (THE) Gr. App. 4 to 9 Student/Teacher Use (BL)	Science Lang. Arts Art Math	This booklet provides children with an opportunity to study the unique environment within and around a stump. The booklet includes activities such as the study of ferns, mosses and fungi which grow on the stump, analyzing egg sacs and cocoons, and searching for stump inhabitants such as spiders, millipedes, centipedes, ants, and pill bugs. (28 pages)	by Susan Infanti prepared by the Vancouver Environment Education Project, U.B.C. (VEEP) 1975
SUMMER AT BEAR RIVER Gr. App. 2 to 5 Student Use (B)	Science Art Library	Beautiful color photography and a short, clear text detail a summer of bear watching by the author and photographer. Focussing on a mother and her two playful cubs, the author traces their growth over the salmon fishing season. (33 pages)	by Fred Bruemmer (An Owl Book) Greey de Pencier Books, Toronto, Ontario. 1980 (about $5.95)
SUNSHIP EARTH Gr. App. 5 to 6 Teacher Use (B)	Science Social St.	Sunship Earth is a book about an acclimitization approach to the teaching of ecology. It describes the five-day camp experience developed for grade 5 and 6 students. This book will be very useful to a teacher needing "hands-on" activities to teach energy flow, cycles, diversity, communities, interrelationships, changes and adaptation. (265 pages)	by Steve Van Matre American Camping Assoc., Martinsville, Indiana. 1979 (about $9.95)
SUNPOWER EXPERIMENTS; SOLAR ENERGY EXPLAINED Gr. App. 7 to 11 Teacher Use (B)	Science Math Indust. Ed. Social St.	The solar projects in this book are explained clearly and are illustrated by drawings or diagrams. They include a sundial, a water heater, a space heater, a water-purification system and a solar oven. The author also mentions some of the limitations of solar energy, but encourages maximum use of this energy source. (72 pages)	by Maggie Spooner Oaktree Press, Toronto, Ontario. 1981
SURVIVING THE UNEXPECTED: WILDERNESS EMERGENCY Gr. App. 7 to 12 Teacher Use (B)	Health Phys. Ed. Science Library	This book emphasizes an approach to outdoor safety and first aid that stresses an understanding of how and why environmental stress effects the total body. The prevention of accidents as well as how to treat an injury are areas of study. (193 pages)	by Eugene Fear Survival Education Assoc., Tacoman, Washington. 1975 (about $5.00)

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
TALES FROM THE IGLOO Gr. App. 4 to 9 Student Use (B)	Lang. Arts Social St. Library	This delightful and well illustrated collection of 22 traditional legends reveals a view of man, nature and the supernatural very much influenced by the realities of a lifestyle bound by the harshness and foreboding nature of the land in which these people live. (127 pages)	translated by Maurice Metayer Hurtig Publishers Ltd., Edmonton, Alberta. 1972 (about $4.95)
TAKES FROM THE LONG HOUSE Gr. App. 4 to 8 Student/Teacher Use (B)	Lang. Arts Social St. Library	These short stories are the winners from the annual folklore contest sponsored by the B.C. Indian Arts Society. They are classified under such headings as: Origins; Power; Nature; and, many more. These would be fine examples to get students started in the use of legend as a writing structure. (112 pages)	by Indian Children of British Columbia Gray's Publishing Ltd., Sidney, B.C. 1975 (about $2.95)
TANGLED GARDEN (THE) Gr. App. 7 to 12 Student/Teacher Use (B)	Art Science Library	This is a large colourful book of J.E.H. MacDonald's painting of Canadian landscapes. Paul Duval has also put together an excellent biography of the artist. The colour plates would be of use to an art teacher or to teach sensitivity to colour in nature.	by Paul Duval McClelland and Stewart Ltd., Toronto, Ontario. 1978 (about $45.00)
TATANGA MANI: WALKING BUFFALO OF THE STONEY Gr. App. 7 to 12 Teacher Use (B)	Social St. Lang. Arts Library	Dr. MacEwan has written an interesting and comprehensive dissertation on the historic relationships between the Plains Indians of Canada and those in the United States.	by Grant MacEwan Hurtig Publishers, Edmonton, Alberta. 1969 (about $4.50)
TEACHING ENVIRONMENTAL EDUCATION Gr. App. 1 to 9 Teacher Use (B)	Science Environ. Ed. Library	An excellent teacher reference that was prepared to help teachers meet the instructional challenges of environmental education. The primary focus is on the development of sound activities that will guide the teacher in implementing environmental education strategies. A list of cognitive knowledge concepts for environmental education is included. (167 pages)	by Harold R. Hungerford and R. Ben Peyton Atlantic Book Ltd., Fredericton, N.B. 1976
TEACHING OUTDOORS: HOW, WHY, WHEN AND WHERE? Gr. App. 1 to 6 Teacher Use (B)	Science Phys. Ed. Social St. Lang. Arts Art	This book is designed to assist teachers in setting up curriculum-related, out-of-school activities. It outlines procedures necessary for successful outdoor studies as prescribed by the authors of the Ryerson Science in Action Series - why, when, where. Evaluation procedures are provided. (88 pages)	by Bassel Vanden Hazel and Donald Benson McGraw-Hill Ryerson Ltd. 1973 (about $8.59)
THERE'S A RACCOON IN MY PARKA Gr. App. 6 to 10 Student Use (B)	Lang. Arts Science Library	This book traces the author's adventures with wildlife in B.C., Alaska and the Yukon, while enroute to an assignment with her photographer husband. The author provides many examples of humor and environmental interest. (231 pages)	by Lynn Hancock McClelland and Stewart, Toronto, Ontario. 1977 (about $2.50)
THERE'S A SEAL IN MY SLEEPING BAG Gr. App. 6 to 10 Student Use (B)	Science Lang. Arts Library	This book reflects the lives of the author and her husband as they worked as naturalists on and around the coast of British Columbia. Many orphan animals were given the chance to survive before being returned to their natural habitats. (240 pages)	by Lynn Hancock McClelland and Stewart, Toronto, Ontario. 1977 (about $2.50)
TIPS AND TRICKS IN OUTDOOR EDUCATION Gr. App. 4 to 12 Teacher Use (B)	Science Social St. Fine Arts Math Health Phys.	This soft-covered book provides a number of useful ideas and exercises in a wide variety of topical areas. Animal studies, community resources, environmental impact, interpretive trails and weather are some subjects addressed. (190 pages)	edited by Malcolm D. Swan The Interstate Printers and Publishers, Inc., Danville, Illinois. 1978
TOTEM GUIDE SERIES (A) Gr. App. 6 to 9 Student/Teacher Use (B)	Science Library	All the books in the series feature a reasonable vocabulary, annotated illustrations and attractive colour photographs. Titles in the series include: The Weather; Birds of North America; Trees of North America; Rocks and Minerals; The Night Sky; and, Wildflowers of North America.	various authors Totem Books, Toronto, Ontario. 1979

TRAILS OF A WILDERNESS WANDERER Gr. App. 7 to 12 Student/Teacher Use (B)	Lang. Arts Library	This is a 241 page breathtaking journey of adventure and discovery through the awesome beauty of Southern Alberta. There are tales of the western frontier which not only entertain but make a point about lost values and skills and make comparisons about wealth and natural endowments.	by Andy Russell Ballantine Books of Canada, Toronto, Ontario. 1970 (about $11.50)
2150 A.D. Gr. App. 9 to 12 Student Use (B)	Lang. Arts Social St. Library	Like most good science-fiction the book records some current facts and trends and logically projects and extrapolates into the future. It provides a provocative comparison contrast between the world as we know it and what it might become. The 350 page book focuses on macrophilosophy.	by Thea Alexander G.R. Welch Co. Ltd., Burlington, Ontario. 1971

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TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
UNDERSTANDING FARM ANIMALS Gr. App. 4 to 6 Student Use (B)	Science Social St. Library	The reading level is at Division II but the illustrations and information would also help Division I students. The 32 pages are packed with information and coloured pictures of many common farm animals.	by Ruth Thompson Hays Publishing Ltd., Burlington, Ontario. 1978
UNDERSTANDING LIVING THINGS Gr. App. 5 to 7 Student/Teacher Use (B)	Life Sci. Social St. Library	This book concentrates as much on enabling students to understand the process used to study living things as it does on learning facts about living things. Charts, graphs, diagrams and colored photographs are an important part of the 172 pages.	by W. Wilson and J. Reimer D.C. Heath Canada Ltd., Toronto, Ontario. 1977 (about $7.35)

V

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
VACANT LOT STUDIES - AN ENVIRONMENTAL INVESTIGATION Gr. App. 5 to 9 Student Use (B)	Science	This book offers some new views of the city. It gives the city child a chance to understand ecology without ignoring the apparent influence of man. The suggested activities are intended to help instill this feeling for ecology by involving the children with the study of their own immediate environment. Sample data sheets are included. (21 pages)	prepared by the National Wildlife Federation 1412 Sixteenth St. N.W., Washington, D.C. 1971
VERMILION LAKES, BANFF NATIONAL PARK Gr. App. 6 to 10 Teacher Use (B)	Science Social St. Phys. Ed. Library	This book is primarily a survey of human history and the recreational use of the Banff area. The geomorphology, vegetation, birds, mammals, reptiles, amphibians, and fish of the Vermilion Lakes region is also discussed. The objective of the book is to stimulate interest in the appreciation of nature. (68 pages)	prepared by the Bow Valley Naturalists Banff, Alberta. 1978
V.I.P. - VERY IMPORTANT PLANT Gr. App. 2 to 6 Student Use (B)	Lang. Arts Science Library	The life cycle of a tree is outlined in simple language and beautiful illustrations. Man's impact on the trees life is addressed by scenes of forest fires and the cutting down of timber. (24 pages)	by Ted Greenwood Penguin Books of Canada Limited., Markham, Ontario. 1976

W

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
WALK INTO WINTER Gr. App. 4 to 9 Teacher Use (B)	Phys. Ed. Health Library	Written by a Canadian, this book details, in simple style, the basics of snowshoeing and winter camping. Wolfram presents details on selecting equipment, staying warm and preventing hazards. This book includes sources for information on equipment. (127 pages)	by Gerry Wolfram John Wiley and Sons Canada Ltd., Rexdale, Ontario. 1977 (about $5.95)
WASKAHEGAN TRAIL GUIDE BOOK (THE) Gr. App. 9 to 12 Teacher Use (B)	Phys. Ed. Outdoor Ed. Science Library	This guide to the Waskahegan Trail System includes trail details, access routes, backpacking hints, and detailed maps for each of the many trails that collectively form the Waskahegan Trail. Some natural history of the region is included in the text. (126 pages)	prepared by members of the Waskahegan Trail Association, Box 131, Edmonton, Alberta 1975
WASTE NOT, WANT NOT Gr. App. 1 to 2 Student Use (B)	Science Social St. Lang. Arts Library	This illustrated book is written in the way that each young reader can care about and play a part in preserving the environment. The beauty and value of the world's resources and the harmful results of man's use and waste of them is illustrated. (about 30 pages)	by Anne-Marie Constant Burke Publishing, Toronto-Dominion Centre, Toronto III, Ontario.
WATCHERS AT THE POND Gr. App. 8 to 12 Teacher Use (B)	Science Lang. Arts Environ. Ed. Library	This is a well documented, insightful description of the life and death that takes place in a small pond as the seasons of the year change and the effects of the climate have their impact. (265 pages)	by Franklin Russell McClelland and Stewart Ltd., Toronto, Ontario. 1974 (about $6.95)
WATER Gr. App. 1 to 2 Student Use (B)	Science Social St.	The importance of water, where it comes from and goes to, and the damage done by it and to it is illustrated. The pollution has been recognized, and positive steps are mentioned in order to preserve this valuable resource.	by Anne-Marie Constant Burke Publishing, Toronto-Dominion Centre, Toronto III, Ontario.
WAXING AND CROSS-COUNTRY TECHNIQUE; A GUIDE FOR CROSS-COUNTRY TOURERS AND LONG DISTANCE SKIERS Gr. App. 8 to 11 Teacher Use (B)	Phys. Ed. Outdoor Ed.	The author of this book is a qualified cross-country ski coach. He offers advice on the selecting of the proper skis and provides detailed information on wax usage and ski maintenance. (56 pages)	by K. Ben Buss Whistler Publishing, Box 8396, Station F, Edmonton, Alberta. 1978
WAY THINGS WORK BOOK OF NATURE (THE) Gr. App. 7 to 12 Student/Teacher Use (B)	Science Social St. Library	Clear and concise language and more than 200 colored diagrams bring to life such topics as plant and animal kingdoms and their habitats, current advances in genetics and evolution, nuclear and solar energy, atomic waste storage, population growth problems, and the pollution of water, soil, and air. This is a very large volume of 525 pages.	published by Monarch Press Toronto, Ontario. 1980
WEATHER BOOK (THE) Gr. App. 8 to 12 Teacher Use (B)	Social St. Science Lang. Arts Library	The main thrust of this book has to do with the sayings and anecdotes about weather which are rooted in historic beliefs. Conventional information on meteorology and weather forecasting is supported by useful black and white illustrations. (96 pages)	by Reuben A. Hornstein McClelland and Stewart Ltd., Toronto, Ontario. 1980 (about $7.95)
WEB OF LIFE (THE) Gr. App. 9 to 12 Student/Teacher Use (B)	Science Library	Part one of this volume deals with the interaction of all creatures with each other and the environment. Food chains and ecosystems are both studied. Part two examines the micro-organisms in the web of life. Both parts are well illustrated and indexed. (143 pages)	by John Oates Doubleday Canada Ltd., Toronto, Ontario. 1976
WESTERN PLAINS (THE) Gr. App. 4 to 10 Student/Teacher Use (B)	Science Library	This 160 page reference text in the Illustrated Natural History of Canada Series is devoted to explaining and illustrating natural formations and the development and evolution of the plants and animals. It contains a useful album of maps, a geologic time scale, a bibliography and an index.	by Mac Braithwaite Natural Science of Canada Ltd., Toronto, Ontario. 1970 (about $10.95)

WESTERN SWAN HILLS (THE) Gr. App. 7 to 12 Teacher Use (BL)	Science	Published to present a case for the preservation of part of the Swan Hills, this little book contains considerable information on the ecosystems of the area. The data is of interest because of its completeness, including the effects of development. (44 pages)	The Alberta Wilderness Association, Calgary, Alberta. 1976
WHALE FOR THE KILLING (A) Gr. App. 6 to 9 Student/Teacher Use (B)	Lang. Arts Science Library	This is the story of Farley Mowat's struggle to save an endangered Fin Whale. The mammoth mammal is trapped in a small cove by receding tides and is mortally wounded by local "sportsmen". As a plea for conservation and common sense the book is powerful. The information stated is not always scientifically accurate, but is based on author observation. (239 pages)	by Farley Mowat Penguin Books of Canada Ltd., Markham, Ontario. 1972 (about $3.55 paper)
WHALES AND OTHER SEA MAMMALS Gr. App. 4 to 12 Student/Teacher Use (B)	Science Library	Based on the T.V. series "Wild, Wild World of Animals", this book presents information on whales and four other groups of sea mammals. The book is well illustrated in color and features excerpts from well known animal stories. (128 pages)	by Thomas A. Dozier Time-Life Films 1977 (about $10.95)
WHAT'S ECOLOGY? (Text and Teacher Edition) Gr. App. 7 to 11 Teacher Use (B)	Science	This teacher's guide includes activities that often call for investigation of the local environment. Not much time is needed to carry out activities but some may require several days or weeks. The text is well illustrated, concise and easy to read. (230 pages) (teacher's guide 60 pages)	by Lawrence McCombs and Nicholas Rosa Addison-Wesley Publishing Co. Ltd., Don Mills, Ontario. 1973
WHAT'S FOR LUNCH? Gr. App. 5 to 8 Student Use (B)	Science Health Library	The ingenuity needed to provide animals in captivity with a healthy and balanced diet is described in the 128 pages of this book. A visit to a zoo could be enhanced by the informative text which accompanies the many captioned black and white photographs.	by Sally Tungren G.M.G. Publishing, New York, N.Y. 1981
WHEN THE WEST WAS YOUNG Gr. App. 3, 4, and 6 Teacher Use (B)	Social St. Lang. Arts Library	This is a series of graphic illustrations of the social life and customs of the early days on the Canadian prairies. Some of the outstanding and eccentric figures of the past are described. (320 pages)	by J. D. Higginbotham Historic Trails Society, 1115 - 8 Avenue South, Lethbridge, Alberta. 1980 (about $5.95)
WHEN THE WILDERNESS BECKONS - A CANOE TRIPPING HANDBOOK Gr. App. 7 to 12 Teacher Use (B)	Phys. Ed.	This 105-page, coil-bound book contains most of the information one would need in order to plan, prepare and enjoy a canoe trip. The fundamental skills of canoeing are discussed as are emergency procedures. Suitable as a ready-reference, "how to", it is easily carried in a pack.	by Catherine Ross, Deborah Hutton and Pamela Dunbar Highway Book Shop, Cobalt, Ontario. 1981
WHEN THE WOLVES SANG Gr. App. 4 to 6 Student Use (B)	Science Library	This skilled nature photographer has captured the lives of both tame and wild wolves in this exciting examination of the life cycle of the wolf. (34 pages)	by Bill Mason An Owl Book Greey de Pencier Books, Toronto, Ontario. 1980 (about $5.95)
WHITE BADGER (THE) Gr. App. 4 to 9 Student Use (B)	Lang. Arts Science Library	Eight pages of black-and-white photographs and pen-and-ink drawings illustrate this story of an albino badger. The observations made record the habits and habitats of an English Badger as told by the author's son. (111 pages)	by Gordon Burgess Transworld Publications, London, England. 1978 (about $2.50)
WHITE CALF (THE) Gr. App. 4 to 6 Student Use (B)	Lang. Arts Social St. Library	This story is set in the 1850's in Southern Alberta. It tells of Eagle Child, son of the warrior Night Rider, who found a white buffalo calf and brought it home to the winter camp of a band of Piegan Blackfeet. It is a tale of Indian life and adventure describing details of the Blackfoot culture. (180 pages) (NOTE: Could be checked for cultural bias, et al.)	by Cliff Faulknor Little, Brown and Company, Toronto, Ontario. 1965 (about $1.50 paper)

WHITE PERIL (THE) Gr. App. 4 to 6 Student Use (B)	Lang. Arts Social St. Library	A sequel to Faulknor's THE WHITE CALF, this story vividly portrays the Indians' last days of dominion over the plains. Eagle Child and other Blackfoot note that white scouts are coming by hundreds into Indian territory and slaughtering buffalo in alarming numbers. (180 pages) (NOTE: Could be checked for cultural bias, et al.)	by Cliff Faulknor Little, Brown and Company, Toronto, Ontario. 1966 (about $1.50)
WHITE WATER HANDBOOK FOR CANOE AND KAYAK Gr. App. 7 to 10 Teacher Use (B)	Phys. Ed. Outdoor Ed	This book deals with white water boats and the techniques needed to paddle them skillfully. Included topics are canoe fundamentals, paddling strokes, kayak techniques, running the river, eddies and equipment. For the serious student, this is an excellent resource. (76 pages)	by John T. Urban Appalachian Mountain Club, Boston, Massachusetts. 1976 (about $4.95)
WHOSE HOUSE IS IT? Gr. App. 3 to 6 Student Use (B)	Science Lang. Arts Library	Finely detailed black and white sketches complement this well written account of a prairie dog's burrow as it's ownership passes from prairie dog to snake to owl to foxes. The reader is also made aware of the life cycle of the various occupants. (63 pages)	by Alice L. Hopf Hollinger House Ltd., Toronto, Ontario. 1980
WILD COFFEE AND TEA SUBSTITUTES OF CANADA Gr. App. 10 to 12 Teacher Use (B)	Science Home Ec. Outdoor Ed	This book provides instructions for collecting and preparing many wild teas and coffee substitutes. It also gives their botanical descriptions. Since these beverages are usually easy to prepare, they are an excellent introduction to the realm of wild foods cookery. (111 pages)	by Nancy J. Turner and Adam F. Szczawinski National Museums of Canada, Ottawa, Ontario. 1976 (about $6.95)
WILD FLOWERS OF ALBERTA Gr. App. 4 to 12 Teacher Use (B)	Science Library	This book makes it easy to identify Alberta's wild flowers. Three indexes give botanical names, common names and colors. The majority of the flowers are pictured in color. Information is given on flowering times and distribution. (415 pages)	by R. G. H. Cormack Hurtig Publishers, Edmonton, Alberta. 1977 (about $14.95)
WILD FLOWERS OF BRITIAN Gr. App. 10 to 12 Teacher Use (B)	Science Library	This unusual encyclopedia uses beautiful and clear photographs, rather than keys, to identify over 1000 wildflowers of Britain. The majority of the flowers are also found in Canada. (175 pages)	by Roger Phillips Oversize Pan Books, London, England. 1977
WILD FOODS Gr. App. 7 to 12 Teacher Use (B)	Home Ec.	Pringle's book is an easy beginner's guide to identifying, gathering and eating wild plants gathered from fields, forests and streams. Detailed drawings and photos aid identification. (182 pages) (NOTE: Should be used with caution.)	by Laurence Pringle Scholastic-TAB Publications Ltd., Richmond Hill, Ontario. 1978 (about $10.95)
WILD HORSES OF SABLE ISLAND Gr. App. 3 to 6 Student Use (B)	Science Lang. Arts Library	This is another in the "Owl True Adventure Book Series". The author describes the habitat and way of life of the wild horses living on the sandy Sable Island which is located off the coast of Nova Scotia. Coloured photographs are found on nearly all the pages of this book.	by Zoe Lucas An Owl True Adventure Book published by Greey de Pencier, Toronto, Ontario. 1981
WILD MAMMALS OF WESTERN CANADA Gr. App. 4 to 12 Student/Teacher Use (B)	Science Library	This very readable book presents seventy species of animals common to the region. Well known creatures, such as the grizzly, are presented but less popular species such as the common vole are also shown. Many excellent color photos and an index round out the text. (209 pages)	by Arthur and Candace Savage Western Producer Prairie Books, Saskatoon, Saskatchewan. 1981 (about $34.95)
WILD PLANTS OF THE CANADIAN PRAIRIES Gr. App. 10 to 12 Student/Teacher Use (B)	Science Library	A very comprehensive text, the material is offered in a simple format than most such books. Most Albertan habitats are included and the simple introduction will help students working independently. Many pen-and-ink diagrams are included. (480 pages)	by A.C. Budd and K.F. Best published by the Research Branch of the Canada Department of Agriculture Ottawa, Ontario. 1978

WILD PLANTS OF CENTRAL NORTH AMERICA FOR FOOD AND MEDICINE Gr. App. 10 to 12 Teacher Use (B)	Science Home Ec. Art Health	Illustrative drawings help with the identification of some wild plants which have roles in nutrition and health. The remedies described deal with the traditional treatment of the symptoms of disease, rather than cause. The value of preventive medicine is stressed. A variety of recipes are also provided. (77 pages)	by Stephen Jackson and Linda Prine Penguin Publishers Ltd., Winnipeg, Manitoba. 1978 (about $4.00)
WILDERNESS CANADA Gr. App. 4 to 9 Student/Teacher Use (B)	Science Art Library	Large photographs are chosen to instill a feeling for the forests and rivers of Canada. The pictures are interspersed with essays relating to Canada's wilderness areas. (174 pages)	edited by B. Spears Clark, Irwin and Co. Ltd., Vancouver, B.C. 1978 (about $29.95)
WILDERNESS GEAR YOU CAN MAKE YOURSELF Gr. App. 4 to 12 Teacher Use (B)	Phys. Ed. Science Social St.	This book includes the "how to" instructions on how to make a variety of items from fuzz sticks to pack boards to forest tents to buttons to moccasins and many more. This is an excellent resource for activities prior to a camping excursion. (115 pages)	by Bradford Angier Collier Macmillan Canada Ltd., Don Mills, Ontario. 1973
WILDERNESS SURVIVAL Gr. App. 7 to 11 Teacher Use (B)	Health Phys. Ed. Outdoor Ed. Science Library	Documented with case histories, this interesting and unusual edition covers the basics of survival - attitude, shelters, hypothermia, supplies, travel and weather as well as the more detailed problems. An excellent supplemental reading list supplied. (208 pages)	by Bernard Shanks Book Center Incorporation, Montreal, Quebec. 1980
WILDERNESS WORLD SERIES Gr. App. 4 to 9 Student/Teacher Use (B)	Science Phys. Ed. Health Library	This is a series of four books with the titles "Camping and Ecology", "Fishing", "Hiking and Exploring" and "Survival". A number of useful photographs, an index for young readers and a bibliography add to the effectiveness of the material. (63 pages)	by Paul Neimark Children's Press, Chicago, Illinois. 1981
WILDFLOWERS ACROSS THE PRAIRIES Gr. App. 7 to 12 Teacher Use (B)	Outdoor Ed. Science Library	Over 270 species of flowering plants are described in this handy reference. Descriptions usually include two-color pictures, a sketch, and information on flower, fruit, leaves, growth habit and habitat. Plants are in taxonomic order. A glossary, and three indexes (common names, family and color) are included.	by F.R. Vance, J.R. Jousey and J.S. McLean Western Producer Prairie Books, Saskatoon, Saskatchewan. 1977 (about $12.95)
WILDLANDS FOR RECREATION Gr. App. 7 to 12 Teacher Use (B)	Science Social St.	A publication of the Alberta Wilderness Association, this book presents a case for the preservation of nine wilderness areas along Alberta's East Slope. It is clearly and simply presented and illustrated with black and white photos. (123 pages)	Alberta Wilderness Association, Calgary, Alberta. (about $5.00)
WILDLIFE ALERT Gr. App. 3 to 6 Student Use (B)	Science Library	Many of the animals in danger of becoming extinct are described in this book. There are colorful photographs of these animals from around the world. This is a good resource for studying and report writing. (104 pages)	by Gene S. Stuart National Geographic Society. 1980 (about $6.95)
WILDLIFE ALPHABET BOOK Gr. App. 1 to 2 Student/Teacher Use (BL)	Science Library	This reference provides excellent ideas for a wildlife alphabet bulletin board in a primary classroom. This booklet provides something for the teacher to use in setting up a wildlife motif in the classroom. (30 pages)	by D. Manning Intermedia Press Ltd., Vancouver, B.C. 1981 (about $5.95)
WILDLIFE OF THE MOUNTAINS Gr. App. 7 to 12 Teacher Use (B)	Science Lang. Arts Library	Superbly illustrated in color, this volume examines animal life in the world's high places of each continent. Particular attention is given to the adaptation of the animals to their alpine environment. Appendices provide some geological background. (232 pages)	by William H. Amos Prentice-Hall of Canada Ltd., Scarborough, Ontario. 1979

WILDLIFE OF THE RIVERS Gr. App. 7 to 12 Teacher Use (B)	Science Lang. Arts Library	Excellent color photography marks this very informative book. It examines the physical make up of a river and the connection between life on land and in the river. Appendices provide additional background on fishes, stream types and drainage patterns. (232 pages)	by William H. Amos Prentice-Hall of Canada Ltd., Scarborough, Ontario. 1981
WILLMORE WILDERNESS PARK Gr. App. 7 to 12 Teacher Use (B)	Science	This publication gives an overview of the flora, fauna and geography of this large wilderness area. In addition, much information is presented on access to the area and suggestions for visitors. A number of maps are included in the book. (42 pages)	The Alberta Wilderness Assocation, Calgary, Alberta. 1973 (about $4.00)
WIND POWER Gr. App. 2 to 6 Student Use (B)	Science Social St.	This lively introduction to one of our natural sources of energy explains what wind is and what makes it blow. Different kinds of storm winds are described. Historical uses of wind are mentioned and the potential use of wind energy is emphasized through entertaining illustrations. (45 pages)	by Norman F. Smith Stoddart Publishing, Don Mills, Ontario. 1981
WINTER CAMPING Gr. App. 7 to 12 Teacher Use (B)	Phys. Ed. Health	Bob Cary outlines in great detail the necessary safety strategies equipment and food for participants in this winter sport. The book is an excellent reference for those contemplating this potentially high-risk activity. (135 pages)	by Bob Cary Macmillan of Canada, Toronto, Ontario. 1979
WINTER FUN BOOK (THE) Gr. App. 3 to 6 Teacher Use (B)	Science Math Lang. Arts Phys. Ed. Library	Clearly illustrated investigations encourage children to find out about the seasons, growing bulbs in winter, making goggles, testing snow for pollution and temperature, making a solar heater, drawing cartoons, capturing snowflakes and a myriad of other items. (128 pages)	by Laima Dingwall and Annabel Slaight Produced by Owl Magazine, Greey de Pencier Books, Toronto, Ontario. 1980
WINTER INVESTIGATIONS: TEACHER RESOURCE MANUAL Gr. App. 7 to 12 Teacher Use (B)	Science Biology Physics Math Lang. Arts Phys. Ed.	This is one of the most complete winter studies to be found. The prime focus, snow, is discussed in detail and various activities are outlined. The first three chapters include information and activities. A bibliography various appendices round out this thorough 140 page study.	by R.E. Philips and C.A. Watson Enviro-Concerns, Winnipeg, Manitoba. 1977
WOLF (THE LIFE CYCLE OF THE WOLF) (THE) Gr. App. 1 to 3 Student Use (B)	Science Art	The wolf is very often totally misunderstood. This book discusses the creature in easily understood terms. A number of very fine illustrations enhance the appeal of the work. (32 pages)	by Paula Z. Hogan Raintree Childrens Book, Toronto, Ontario. 1979
WOLF WILLOW Gr. App. 7 to 12 Student/Teacher Use (B)	Lang. Arts Social St. Library	Wallace Stegner offers the reader recollections of a boyhood spent in the Cypress Hills region during the period 1914 to 1920. The result is a well constructed history of that time telling about the people and the land in a very pleasing fashion. (306 pages)	by Wallace Stegner Macmillan of Canada, Toronto, Ontario. 1962 (about $3.95)
WOLVES AND WILDERNESS Gr. App. 8 to 12 Teacher Use (B)	Science Library	A dedicated wolf researcher, Theleerge presents wolves as he sees them as an essential part of the ecosystem. He suggests that the situation is so serious for the wolf that drastic measures are needed to aid its survival. (158 pages)	by John B. Theleerge J.M. Dent and Sons, Toronto, Ontario. 1975 (about $5.95)
WONDER WHY BOOK OF EXPLORING A WOOD Gr. App. 4 to 7 Student Use (B)	Science Library	Clear, colourful illustrations, easy-to-read text and concise instructions are found in this delightful book. Students can use this book for self-discovery and to help organize their own information while discovering, collecting and identifying woodland plants and animals. (32 pages)	by Malcolm Savillec and Elsie Wrigley Transworld Publishers Ltd., Ealing, London, England. 1978 (about $1.50)

WOODS AND WATER, THE COMMON SENSE BOOK OF CANOEING Gr. App. 8 to 12 Teacher Use (B)	Phys. Ed. Outdoor Ed. Library	Many black and white photographs and drawings highlight and demonstrate the basic as well as the accomplished skills the experienced canoer-author has included in this canoeing guide. Although written in Nova Scotia, the skills and concepts of living with the environment apply to any canoer. (152 pages)	by Lee Keating Nimbus Publishing Ltd., Halifax, Nova Scotia. 1981 (about $10.95)
WORLD OF MY OWN (A) Gr. App. 10 to 12 Student Use (B)	Social St. Lang. Arts Library	Mike Tomkies tells the story of his British Columbia quest to bring tranquility and meaning back into his life. Many animals and birds are described as are the seasons and the people he met in isolated areas of the province. (273 pages)	by Mike Tomkies Fitzhenry and Whiteside Ltd., Don Mills, Ontario. 1976
WORLD WIDE SERIES - CONSERVATION AND POLLUTION Gr. App. 7 to 12 Student/Teacher Use (B)	Science Lang. Arts Social St.	Alarming facts regarding our environment and its destruction are presented. Chapters on towns, rivers, industry, lakes, oceans, transport and wildlife illustrate ways in which the environment can be and is being protected. (96 pages)	by Olive Jackson Macmillan of Canada, Toronto, Ontario. 1971

X-Y-Z

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
YEAR AT MAPLE HILL FARM (THE) Gr. App. 2 to 4 Student Use (B)	Science Lang. Arts Library	Each month finds something new happening at the farm the changes in animal patterns and discussed as are animal babies and visits from the vet. Beautiful illustrations and simple language are used throughout the text. (30 pages)	by Alice and Martin Provensen McClelland and Stewart Ltd. Toronto, Ontario. 1978
YEAR OF THE LAND (THE) Gr. App. 1 to 12 Student/Teacher Use (B)	Art Indust. Ed. Social St. Library	Canada's centennial celebrations are clearly caught by the eye of the camera and reflect the essence of the environment that was, is and has become Canada in 1967.	a joint production of National Film Board, Ottawa, Ontario. 1967
YEAR OF THE POLAR BEAR (THE) Gr. App. 9 to 12 Student/Teacher Use (B)	Science Lang. Arts Social St. Library	Paralleling modern science with the reports of early Arctic explorers, this book details one full year in the life of a polar bear. Koch tells an exciting story that brings into sharp focus, the odds against the polar bears' survival. (150 pages)	by Thomas J. Koch Copp Clark Pitman, Toronto, Ontario. 1975
YOUNG SPECIALIST LOOKS AT POND LIFE (THE) Gr. App. 7 to 10 Student/Teacher Use (B)	Science	Many plants and animals are keyed out and simply annotated. Habitat and life cycle information are interestingly described and help the student identify many individuals. This 198 page book explores sophisticated subjects without using overly complex language.	by W. Engelhardt Burke Publishing Canada Ltd. Ajax, Ontario. 1974
YOUR WAY WITH MAP AND COMPASS ORIENTEERING Gr. App. 4 to 9 Student/Teacher Use (B)	Phys. Ed. Outdoor Ed Social St.	This orienteering program consists of a text and 32-page student books that include the basics of map reading, compass use, route choosing, practice maps and exercises. It is intended to get students actively learning and participating.	by John Disley Canadian Orienteering Service, Willowdale, Ontario. 1977
ZOO THAT NEVER WAS (THE) Gr. App. 4 to 8 Student Use (B)	Science Lang. Arts Library	This book relates the endearing account of life in the Ontario bush with an odd assortment of injured, orphaned, and abondoned wild animals. It is filled with scientific lore as well as humour, warmth, and adventure. (308 pages)	by R.D. Lawrence Holt, Rinehart and Winston of Canada Ltd., Toronto, Ontario. 1981

CROSS-REFERENCE BY AUTHOR

The previous section of PRINT MATERIALS has been cross-reference listed in alphabetical order according to author. On occasion, a particular individual, such as Steve VanMatre, for example, may become noted for work in a particular topic area and readers may wish to seek out other titles by the same person.

Publications attributed to organizations, rather than individuals, have been held separate.

Alexander, Thea - 2150 A.D.
Allison, Linda - Sierra Club Summer Book (The)
Alt, David - Rocks, Ice and Water: The Geology of Waterton Glacier Park
Amos, William - Wildlife of the Rivers
Amos, William - Wildlife of the Mountains

Anderson, R. - Methods of Collecting and Preserving Vertebrates Animals
Anderson, Anne - Some Native Herbal Remedies
Andrews, W.A., et al - Contours: Studies of the Environment
Andrews, Jan (ed) - Dancing Sun (The)
Angier, Bradford - Wilderness Gear You Can Make Yourself

Anthony, Anne - Orienteering Handbook
Arnold, Phyllis - Royal Canadian Mounted Police (The)
Asimov, Isaac - How Did We Find Out About Coal?
Asimov, Isaac - How Did We Find Out About Solar Power?

Bachert, Russell - Hundreds of Ideas for Outdoor Education
Baird, D.M. - Banff National Park
Bancroft, H., et al - Animals in Winter
Band, Preben, et al - Collins Guide to Animal Tracks and Signs
Banfield, Alexander - Mammals of Canada

Barrett, Bruce, et al - From Nature to Man
Basque, Garnet - Gold Panner's Manual
Beale, B. - Energy and Industry
Beaty, Chester - Landscapes of Southern Alberta (The)
Bellrose, Frank - Ducks, Geese and Swans of North America

Bembridge, Bruce - Encounter With Mother Earth (An)
Bengston, et al - Orienteering for Sport and Pleasure
Berglund, B., et al - Edible Wild (The)
Berglund, Berndt - Complete Guide to Orienteering in North America (The)
Berndt, Enrich (ed) - Energy Conservation: A Curriculum for Living

Bicknell, Franklin - Chemicals in Your Food
Blacklock, et al - High West (The)
Blades, Anne - Mary of Mile 18
Blades, Anne - Boy of Tache (A)
Blaustein, E. - Antipollution Projects

Blood, Don, et al - Rocky Mountain Wildlife
Borystede, et al - Outdoor Education Guide and School Camp Manual
Brady, Hugh - People's Land (The)
Braithwaite, Mac - Western Plains (The)
Branley, Franklyn - Feast or Famine? The Energy Future

Brass, Eleanor - Medicine Boy and Other Cree Legends
Bray, R.G. - Geology of the Banff Area: A Student's Guide
Brown, Joseph - Oil Spills: Danger in the Sea
Brown, Vinson - Amateur Naturalist's Notebook (The)
Bruemmer, Fred - Summer at Beaver River

Budd, A.C., et al - Wild Plants of the Canadian Prairies
Buhrmann, Hans, et al - Canoeing Chinook Country
Burgess, Gordon - White Badger (The)
Buss, K. Ben - Waxing and Cross-Country Technique: A Guide for
Cross-Country Tourers and Long Distance Skiers
Burt, William - Field Guide to the Mammals (A)

Burton, John - Man and His World - Pollution

Campbell, Maria - People of the Buffalo
Canning, Victor - Painted Tent (The)
Carson, Rachel - Silent Spring
Carter, David - Behind Canadian Barbed Wire
Cary, Bob - Winter Camping

Cass-Beggs, Barbara (ed) - Canadian Folk Songs for the Young
Chalmers, John (ed) - On the Edge of the Shield
Chalmers, John (ed) - Land of Peter Pond (The)
Chinery, Michael - Family Naturalist (The)
Clark, Ella - Indian Legends of Canada

Clark, Wilson - Energy for Survival
Cleaver, Elizabeth, et al - Loon's Necklace (The)
Constant, Anne-Marie - Water
Constant, Anne-Marie - Waste Not, Want Not
Coombs, Charles - Coal in the Energy Crisis

Cormack, R.G.H. - Wild Flowers of Alberta
Cornell, Joseph - Sharing Nature With Children
Cousins, Becky - Science Fieldtrip Programs for Use in the Nature Reserve
Cousins, W.J. - History of the Crow's Nest Pass (A)
Craven, Margaret - I Heard the Owl Call My Name

d'Andreta, Carlo - Colour Treasury of Herbs and Other Medicinal Plants
Dagg, Anne - Reference Book on Urban Ecology (A)
Dammann, Erik - Future in Our Hands (The)
Darst, Paul, et al - Outdoor Adventure Activities for School and
Recreation Programs
Dempsey, Hugh - Best From Alberta History (The)

Dempsey, Hugh - Charcoal's World
Dempsey, Hugh - Indian Names for Alberta Communities
Dekker, D. - Naturalist Painter
Derriek, Rena - Energy Management for the Future
Dingwall, Laima, et al - Winter Fun Book (The)

Disley, John - Your Way With Map and Compass Orienteering
Dorf, Richard - Energy Factbook (The)
Dorfman, Leon - Student Biologist Explores Ecology (The)
Dozies, Thomas A. - Whales and Other Sea Mammals
Duval, Paul - Tangled Garden (The)

Eisenhauer, John, et al - Rivers on Borrowed Time
Ellis, Eleanor (ed) - Northern Cookbook
Engelhardt, W. - Young Specialists Looks at Pond Life (The)
Estrin - Environment of Trail

Farnham, Albert - Home Tanning and Leather Making Guide
Faulknor, Cliff - White Calf (The)
Faulknor, Cliff - White Peril (The)
Fear, Eugene - Surviving the Unexpected: Wilderness Emergency
Ferguson, Mary, et al - Canadian Wildflowers

Fisher, Vardir - Mountain Man
Forster, Mernam - Maligne: Valley of the Wicked River
Fowke, Edith, et al - Folk Songs of Canada
Fowler, Kathryn - Hunger: The World Food Crisis
Franks, C.E.S. - Canoe and Whitewater (The)

Frazer, Frank - Prentice-Hall Concise Book of Energy (The)
Freeman, Madeline - Horse for Running Buffalo (A)
Fryer, Harold - Ghost Towns of Alberta

Gadd, Ben - Mountains and Valleys: A Guide to the Landscape of Waterton
Lakes National Park
Gann, Ernest K. - Aviator
Gardner, Robert - Save That Energy
Geary, Don - Step in the Right Direction: A Basic Map and Compass Book
George, Chief Dan - My Heart Soars

George, Jean - Julie of the Wolves
Gillespie, D.C. - Dig and Learn
Gilpatrick, Gil - Building Snowshoes
Gilroy, Doug - Parkland Portraits: Some Natural History of the Prairie Parklands
Gilroy, Doug - Prairie Birds In Colour

Goldin, Augusta - Oceans of Energy; Reservoir of Power for the Future
Golding, William - Lord of the Flies
Goode, Stephen - Nuclear Energy Controversy (The)
Graham, Ada, et al - Careers in Conservation
Graves, Richard - Bushcraft

Gray, James - Man Against the Desert
Gree, Alice - All Colour Play and Learn Book - Animals
Green-Foster, Janet - Cabin Full of Mice (A)
Greenwood, Ted - V.I.P. Very Important Plant
Griffiths, Deidre - Island Forest Year Elk Island National Park

Grinnel, George B. - Blackfoot Lodge Tales
Grospointer, Andreas - Archaeology and Etho-History of the Milk River in Southern Alberta
Groves, J. - Edible and Poisonous Mushrooms of Canada

Haig, Bruce - In the Footsteps of Thomas Blakeston 1858
Haig-Brown, Roderick - Bright Waters, Bright Fish
Hamson, Ted - Children of the Yukon
Hanauer, Ethel - Biology Experiments for Children
Hancock, Lynn - There's a Raccoon in my Parka

Hancock, Lynn - There's a Seal in my Sleeping Bag
Haray, W.A. - Alberta - A Natural History
Harp, H.F. - Prairie Gardener
Harris, Anne - Man's Environment
Harris, Christine - Once More Upon a Totem

Harris, Christine - Raven's Cry
Harrison, Dick (ed) - Best Mounted Police Stories
Hazel, Bassel, et al - Teaching Outdoors: How, Why, When and Where?
Headstrom, Richard - Nature Discoveries With a Hand Lens -- Also -- Adventures With a Hand Lens
Hearn, Emily, et al - Mighty Mites in Dinosaur Land (The)

Hewitt, Ken - Lifeboat - Man and a Habitable Earth
Higginbotham, J.D. - When the West Was Young
Hill, Douglas - Opening of the Canadian West (The)
Hines, Sherman - Alberta
Hirnschall, E. - Experiments on the Wilderness

Hirnschall, E. - Eyes on the Wilderness
Hobson, Phyllis - Food Drying
Hoebel, Micheal - Pond Book (The)
Hogan, Paula Z. - Wolf (The Life Cycle of the Wolf) (The)
Holloway, Paul, et al - One Small Step -- An Introduction to Environmental Studies

Holmgren, E.J., et al - Over 2000 Place Names of Alberta
Holmes, Peggy - It Could Have Been Worse
Hopf, Alice L. - Whose House Is It?
Hornstein, Reuben A. - Weather Book (The)
Horsfall, R.B. - Bluebirds Seven

Hosie, R. - Native Trees of Canada
Hostetler, John - Hutterite Society (The)
Houts, Mary - Lesson Plans For Using the Outdoors in Teaching
Howick, Susannah, et al - Rain Book (The)
Humberstone, Elliot - Finding Out About Things Outdoors

Hungerford, Harold R., et al - Teaching Environmental Education
Hunter and Wohlers (ed) - Air Pollution Experiments for Junior and Senior High School Students
Huser, Verne - River Camping: Touring By Canoe, Raft, Kayak and Dory
Huxley, Aldous - Island
Hyde, Margaret, et al - Everyone's Trash Problems Nuclear Waste

Inch, R., et al - Physical Environment (The)
Infanti, Susan - Stump Book (The)

Jacker, Corinne - Biological Revolution: A Background Book on Making a New World (The)
Jackson, Olive - World Wide Series - Conservation and Pollution
Jackson, Stephen, et al - Wild Plants of Central North America for Food and Medicine
Jankunis, Dr. F. (ed) - Southern Alberta: A Regional Perspective
Jenkins, Marie - Deer, Moose, Elk and Their Family

Johnson, Alexander - Boats and Barges on the Belly
Johnson, Hope - About the Dinosaurs at the Dinosaur Park Near Patricia, Alberta
Johnson, Hope - Guide to Alberta Vertebrate Fossils From the Age of the Dinosaurs (The)
Johnston, Alexander - Battle at Belly River (The)
Johnston, Alexander - Canadian Pacific Rail High Level Bridge at Lethbridge (The)

Johnston, Alexander - Short History of Lethbridge, Alberta
Johnston, William V. - Before the Age of Miracles
Juijt, Job - Flora of Waterton Lakes National Park
Justice, Mr. - Northern Frontier: Northern Homeland Volume 1

Karstad, Aleta - Canadian Nature Notebook
Katz, Elliot - Backpacking in Canada
Katz, Elliot - Complete Guide to Backpacking in Canada (The)
Keating, Lee - Woods and Water; The Common Sense Book of Canoeing
Kerik, Ivan - Living With the Land: Use of Plants by the Native People of Alberta

Kiefer, Irene - Poisoned Land: The Problem of Hazardous Waste
Kimball, John - Man and Nature
Kjelgaard, Jim - Stormy
Knapps, Clifford Dr., et al - Bulletin Boards for Environmental Studies
Koch, Thomas - Year of the Polar Bear (The)

Kogawa, Joy - Obasan
Kraulis, J.A. (ed) - Art of Canadian Nature Photography (The)
Kuijt, Job Dr. - Common Coulee Plants of Southern Alberta
Kucera, Richard - Probing the Athabasca Glacier; Case History of A Glacier in the Columbia Icefield: Jasper National Park
Kunelius, Richard - Ski Trails in the Canadian Rockies

Kurelek, William - Prairie Boy's Summer (A)
Kurelek, William - Prairie Boy's Winter (A)

Lane, A. - Act of Robert Bateman (The)
Langer, Richard - Joy of Camping (The)
Larkin, Peter - Freshwater Pollution, Canadian Style
Lathrop-Smit, Hermine - Natural Dyes
Lauber, Patricia - Seeds, Pop, Stick and Glide

Lawrence, R.D. - Zoo That Never Was (The)
Le Guin, Ursula - Dispossessed (The)
Leaming, Stan, et al - Guide to Rocks and Minerals of the Northwest
Leslie, Robert A. - Bears and I (The)
Leslie, Robert a. - In the Shadow of a Rainbow

Leslie, Clare - Nature Drawings: A Tool for Learning
Link, Michael - Outdoor Education: A Manual for Teaching in Nature's Classroom
Lister, Robert - Birds and Birders of Beaverhill Lake (The)
Littlejohn, b., et al (ed) - Marked by the Wild
Livingston, John - Arctic Oil

Longstreth, T. Morris - Scarlet Force (The)
Lucas, Zoe - Wild Horses of Sable Island

MacIlquham, France - Canadian Game Cookery
Mack, Norman (ed) - Back to Basics
Malo, John - Malo's Complete Guide to Canoeing and Canoe Camping
Manning, D. - Wildlife Alphabet Book
Manning, D., et al - Some Useful Wild Plants

Manning, Harry - Backpacking: One Step at a Time
Mark, Lorraine, et al (ed) - Canada
Marmorek, Jan - Over A Barrel
Marty, Sid - Headwaters
Mason, Bill - When the Wolves Sang

Mason, Bill - Path of the Paddle
Matayer, Maurice - Tales From the Igloo
Maynard, Fredelle - Raisins and Almonds
Mazria, T. - Passive Solar Energy Book (The)
McBride, Roy - Noise in Alberta

McCombs, Laurence, et al - What's Ecology? Text and Teacher Edition
McClung, Robert - Animals that Build Their Homes
McEwan, Grant - Tatanga Mani: Walking Buffalo of the Stoney
McEwan, Grant - Illustrated History of Western Canadian Agriculture
McKeever, Katherine - Family for Minerva (A)

McMillan, Vicky, et al - Nature Quizzes for Canadians
McNair, Robert E. - Basic River Canoeing
Melham, Tom - John Muirs's Wild America
Michael, Hope - Down the Years at Elkwater
Milne, Fiona - River Crossing 1883 - 1980

Milne, Lorus, et al - Gadabouts and Stick-At-Homes; Wild Animals and Their Habitats
Mitchell, John - Curious Naturalist (The)
Money, D.C. - Earth's Surface (The)
Moody, Richard - Hamlyn Nature Guides - Fossils
Moore, T.A. (ed) - Alberta Archeology: Prospect and Retrospect

Morrow, J.W. - Early History of the Medicine Hat Country
Mountain, Jim - Fort Macleod's Historic Downtown
Mowat, Farley - Whale for the Killing (A)
Mulligan, Gerald - Common Weeds of Canada
Musselman, Virginia - Learning About Nature Through Crafts

Musselman, Virginia - Learning About Nature Through Games

Neimark, Paul - Wilderness World Series
Newnham, Jack - Kites to Make and Fly
Nicholoan, Nick - Harvest the Sun
Nixon, Marshall, et al - Earthquakes: Nature In Motion
Noble, R., et al - Alberta, the Badlands

North, Margaret - Plant Geography of Alberta: An Interpretation Based on the 1965 Vegetation Maps

Oates, John - Web of Life (The)
Ogilvie, Sheilagh - Park Buffalo (The)
Oltmann, C. - Kananaskis Valley Hiker's and Cross-Country Skier's Guide (The)
Olsen, Larry - Outdoor Survival Skills

Packard, Vance - Hidden Persuaders (The)
Paetkau, Paul - Projects Sourcebook for Life Science
Paety, Martin, et al - Fishes of Alberta (The)
Pandell, Karen, et al - Animal Tracks of the Pacific North West
Patterson, Craig - Mountain Wilderness Survival

Patterson, Freeman - Photography for the Joy of it
Pattor, Brian - Canadian Rockies Trail Guide; A Hiker's Manual to the National Parks (The)
Pearse, Jack - Campfire Programs
Perla, Ronald I. - Avalanche Handbook
Peterson, R. - North American Moose

Philips, R.E., et al - Winter Investigations: Teacher Resource Manual
Phillips, Roger - Wild Flowers of Britian
Pim, Linda R. - Acid Rain - The North American Forecast
Pim, Linda R. - Invisible Additives: Environmental Contaminants In Our Food
Porsild, A.E. - Rocky Mountain Wild Flowers

Potter, Neil - Oil Rig
Power, John - Camper's Handbook (The)
Pringle, Laurence - Wild Foods
Pringle, Laurence - Lives at Stake; The Science and Politics of Environmental Health
Pringle, Laurence - Nuclear Power from Physics to Politics

Provensen, Alice, et al - Year at Maple Hill Farm (The)

Ransom, Jay - Harper and Row's Complete Field Guide to North American
Wildlife: Western Edition
Rees, David - Cross-Country Skiing; Touring and Competition (Rev. Ed.)
Render, L. - Mountains and the Sky (The)
Ripley, et al - Environmental Impact of Mining in Canada
Riviere, Bill, et al - L.L. Bean Guide to the Outdoors (The)

Rodney, William - Kootenai Brown 1839 - 1916
Rogers, Michael - Biohazards
Ross, Catherine, et al - When the Wilderness Beckons - A Canoe Tripping
Handbook
Ross, K. - Edmonton Trails for All Seasons
Roszak, Theodore - Person/Plant

Rowan, Lorraine - Rodeo
Russell, Andy - Trails of A Wilderness Wanderer
Russell, Andy - Grizzly Country
Russell, Franklin - Season on the Plain
Russell, Franklin - Watchers at the Pond

Sadler, T.S., et al - Alberta Birds 1961 - 1970
Salt, Ray W. - Birds of Alberta (The)
Satchwell, John - Future Sources
Savage, Arthur, et al - Wild Mammals of Western Canada
Savillec, Malcolm, et al - Wonder Why Book of Exploring a Wood

Schein, Edgar - Process Consultation
Schultz, J. - My Life as an Indian
Schultz, James W. - Blackfeet and Buffalo
Scott, W.B., et al - Freshwater Fishes of Canada
Service, William - Dinosaurs (The)

Seuss, Dr. - Lorax (The)
Shanks, B. - Wilderness Survival
Sheppard, Robert - Ecology of the Slough - A Teaching Unit
Sherrington, Peter (ed) - Calgary's Natural Areas: A Popular Guide
Shiels, Bob - Calgary: A Not to Solemn Look at Calgary's First 100 Years

Silverstein, Shel - Giving Tree (The)
Simon, Seymour - Science Projects In Ecology
Skolroad, A., et al - Pioneers of the Athabasca Oil Sands Book II
Slater, Philip - Earthwalk
Smith, Norman F. - Wind Power

Soper, J. - Mammals of Alberta (The)
Spears, B. - Wilderness Canada
Spooner, Maggie - Sunpower Experiments; Solar Energy Explained
Stakes, Donald - Guide to the Behavior of Common Birds (A)
Stegner, Wallace - Wolf Willow

Stewart, Darryl - Canadian Endangered Species
Storm, Hyemeyoksto - Seven Arrows
Strongin, Herb - Science on a Shoestring
Stuart, Gene S. - Wildlife Alert
Stwertka, Eve, et al - Industrial Pollution: Poisoning Our Planet

Swan, Malcolm D. (ed) - Tips and Tricks in Outdoor Education
Sweeney, Robert - Environmental Concerns - The World
Symons, R.D. - Grandfather Symon's Homestead Book
Szczawinski, Adam, et al - Edible Garden Weeds of Canada
Szczawinski, Adam, et al - Edible Wild Green Vegetables of Canada

Tatreau, Doug, et al - Parks of the Prairie Provinces (The)
Tejada-Flores, Lito - Backcountry Skiing: The Sierra Club Guide to Skiing
Off the Beaten Trail
Theleerger, John B. - Wolves and Wilderness
Thomas, Dian - Roughing it Easy
Thompson, Ruth - Understanding Farm Animals

Thornberry, Russell, et al - Fishing Jasper National Park
Thrap, Raymond, et al - Crow Killer
Throckmorton, John - Noise is a Health Hazzard
Tomkies, Mike - World of My Own (A)
Tungren, Sally - What's for Lunch

Turner, Nancy J., et al - Wild Coffee and Tea Substitutes of Canada

Udvardy, Miklos - Encyclopedia On North-American Birds (Western Region)
Audubon Society
Underhill, J. - Northwestern Wild Berries
Urban, John T. - White Water Handbook for Canoe and Kayak

VanLear, Denis (ed) - Best About Backpacking (The)
VanMatre, Steve - Sunship Earth
VanMatre, Steve, et al - Acclimatization Walks
VanMatre, Steve - Acclimatizing - A Personal and Reflective Approach to a Natural Environment
VanMatre, Steve - Acclimatization - A Sensory and Conceptual Approach to Ecological Involvement

VonBaich, P. - Light in the Wilderness
Vance, F.R., et al - Wildflowers Across the Prairies
Vogel, Virgil J. - American Indian Medicine

Waddsworth, Henry - Longfellow's Poetical Works
Ward, Tom - Cowtown - An Album of Early Calgary
Washington, Susie (ed) - Green Plants of Alberta
Watson, Jane - Conservation of Energy
Watters, Ron - Ski Camping

Welch, E.B. - Ecological Effects of Waste Water
Weller, Phil - Acid Rain, The Silent Crisis
Wentworth, Daniel - Examining Your Environment (Introduction to Teachers)
Whyte, Jon, et al - Rocky Mountains: Through the Eagle's Eye (The)
Wiebe. Rudy, et al - Alberta - A Celebration

Wiens, K.R., et al - Economic Aspects of Noise in Alberta
Wildsmith, Brian - Animal Tricks
Williams, D.I., et al - Experiments on Water Pollution
Williams, D.I., et al - Experiments on Land Pollution
Wilson, B. - Energy Squeeze - Canadian Policies for Survival (The)

Wilson, W., et al - Understanding Living Things
Wolfram, Gerry - Walk into Winter
Woods, S.E. Jr. - Squirrels of Canada (The)
Woollatt, Richard, et al (ed) - Poems of a Snow-Eyed Country
Wrigley, Dr. Robert E. - Small Mammals: A Colouring Adventure in Canadian Themes

Yates, Madeleine - Earth Flower; The Story of Geothermal Energy

Alberta Wilderness Association - Elbow Sheep Wilderness, A Recreational Wilderness for Albertans
Alberta Wilderness Association - Western Swan Hills (The)
Alberta Wilderness Association - Wildlands for Recreation
Alberta Wilderness Association - Willmore Wilderness Park
American Forest Institute - Project Learning Tree 1 to 6
Archaeological Society of Alberta - Last Indian Battle (The)
Archaeological Society of Canada - Story on Stone Project Number 20

Beaverbooks - How and Why Wonder Books (The) (A Series)
Bow Valley Naturalists - Vermillion Lakes, Banff National Park
Burke Publishing - Air
Burke Publishing - Animals

Canadian Ski Association - Canadian Ski Association Tour Leader Manual

Educational Resource Coordinator - Divide and Conquer
Energy Conservation - Garbage Book (The)

Fitzhenry and Whiteside - Canadians (The)
Fitzhenry and Whiteside - Findhorn Garden - The Findhorn Community (The)
Fort Mackay Tribal Administration - Stories of the Outdoors: An Anthology by the Outdoor Writers of Canada
Franklin Watts of Canada - Alternate Energy Sources

G.L.C. Editorial Department - Canadian Starters Series
Glenbow Alberta Institute - Birds of Prey An Exhibition of Wildlife Arts
Glenbow Museum - Blackfoot Shaking Tent

Government of Alberta - Alberta Conservation and Hunter Education
Government of Alberta - Be Prepared for Emergencies
Government of Alberta - Hazardous Waste Management in Alberta
Government of Alberta - Nature Guide to Alberta (A)
Government of Alberta - One Hundred Ways to Save Energy and Money in the Home

Government of British Columbia - Encore: A Program of Environmental Studies

Government of Canada - Canadian Forestry Fact Sheet
Government of Canada - Down But Not Out
Government of Canada - Energy Strategy for Canada (An)
Government of Canada - Environment Needs You (The) and A Pollution Primer
Government of Canada - Northern Survival

Government of the United States - Conservation 1 Teacher's Guide
Government of the United States - Environmental Education Guide K to 12

Heritage Canada - Heritage of Canada

Indian Children of British Columbia - Tales from the Long House

Joint Production - Between Friends

Kids Can Press - I Love My Plant

Monarch Press - Way Things Work Book of Nature (The)

National Film Board - Year of the Land (The)
National Geographic Society - Animals in Danger
National Geographic Society - How Animals Hide
National Geographic Society - National Geographic Book of Mammals
National Wildlife Federation - Vacant Lot Stuides - An Environmental Investigation
Natural Science of Canada Ltd. - Illustrated Natural History of Canada (The) (A Series)
New Horizons Committee and History Book Society - Forgotten Corner (The)

OISE Press (University of B.C.) - Ecology - (Plus Teacher's Manual)
Owl Magazine - Owl Fun Books (Series)
Owl Publications - Dr. Zed's Brilliant Book of Science Experiments

Pendragon House Incorporation - Story of the Earth (The)

Random House Publishers - Random House Picture Book Series
Reader's Digest Association - Joy of Nature - How to Observe and Appreciate the Great Outdoors
Reader's Digest Association - Outdoors Canada
Reader's Digest Association - Scenic Wonders of Canada: Illustrated Guide to Our Natural Splendors

Saskatchewan Museum of Natural History - Cypress Hills - A Natural History (The)
Scholar's Choice - Ecolab - Understanding and Exploring Our Environment
Sir Alexander Galt Museum - History of Lethbridge and District Coal Miners

Totem Books - Totem Guide Series (A)
Transworld Publishers - Amazing Facts About Our Earth

Vancouver Environment Education Project (VEEP) - Creek Book (The)
Vancouver Environment Education Project (VEEP) - Forest Appreciation
Vancouver Environment Education Project (VEEP) - Seeing Through the Trees

Waskahegan Trail Association - Waskahegan Trail Guide Book (The)
William Collins Sons and Canada Ltd. - Lady Bird Book Series 536
William Collins Sons and Canada Ltd. - Lady Bird Achievement Series 601
William Collins Sons and Canada Ltd. - Lady Bird Basic Reading Series 737

This is the second section of PRINT RESOURCES. It includes reports, magazines and periodicals, journals and papers or brochures. All items have been listed in alphabetical order according to the title given to them.

In many cases, such publications are issued several times during the year. For this reason, they frequently contain the latest and most up-to-date information on particular subjects or about particular organizations. The code-keys used in this section are:

(M) = Magazine/Periodical (J) = Journal (R) = Report
(P) = Paper/Brochure

Undoubtedly there are many more, equally useful listings possible. These are but a few.

A

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
ADMINISTRATION AND REGULATION OF NOISE IN ALBERTA Gr. App. 9 to 12 Teacher Use (R)	Ecology Conservation Education	The purpose of this bulletin is to describe the involvement of all levels of government in the regulation and administration of noise in Alberta. The merits of solving noise problems through common law and statute law is surveyed in detail. The last chapter discusses a variety of views regarding current administration and regulation of noise in Alberta. (50 pages)	prepared by M.E. Gordon Environmental Council of Alberta
ALBERTA NATURALIST Gr. App. 7 to 12 Teacher Use (M)	Science Health Library	This magazine is published quarterly but the Federation issues an annual research supplement plus occasional special issues as well. In addition to articles by university people and other qualified naturalists there are book reviews, news items and a Junior Naturalist's Section.	Federation of Alberta Naturalists Box 1472 Edmonton, Alberta T5J 2N5 (current)
ALBERTA OIL SANDS (THE) Gr. App. 4 to 9 Teacher Use (M)	Social St. Science	This magazine-style paper gives the geologic and developmental history of the oil sands. It discusses the technology required to develop the oil sands and emphasizes the measures taken to protect the environment. Each of the above topics is followed by questions or suggested activities. The pamphlet is easily read and contains pictures, maps and diagrams. (NOTE: Could be checked for bias.)	Educational Services Syncrude Canada Ltd. 10030 - 107 Street Edmonton, Alberta T5J 3E5
ALL CANADIAN CLEANUP (THE) Gr. App. 9 to 12 Teacher Use (R)	Social St. Science	The various roles of the Environmental Protection Services are explained in this French-English booklet. The Federal roles in the various types of pollution problems are overviewed. A contact list for more information is provided.	Environmental Protection Services Environment Canada Ottawa, Ontario
ARAMCO WORLD MAGAZINE Gr. App. 10 to 12 Student/Teacher Use (M)	Social St. Art Environ. Ed. Library	A very high quality production on very expensive paper with unequalled reproductions of art and pictures of the Middle East, this magazine is put out by the Aramco Oil Company at no cost to the subscribers. (NOTE: Could be checked for content bias.)	Aramco Services Company Houston, Texas (current)

B

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
BEAUTIFUL BRITISH COLUMBIA Gr. App. 4 to 11 Teacher Use (M)	Social St. Prac. Arts Visual Com Library	Splendid pictures can be used as a resource or picture file. Seasons are beautifully portrayed as are special areas of interest. Four issues of the magazine are provided each year.	from: Subscription Office 200 Esquimalt Road Victoria, B.C. (current)

C

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
CANADIAN FOREST CONGRESS 1980 Gr. App. 10 to 12 Teacher Use (R)	Science Library	This booklet contains lectures and reports complete with tables, questions and answers from the 1980 CFC. Topics include economic importance of forests, diseases, insects and mismanagement of forests, and policy making to aid forest management. Appendices are included. (182 pages)	Canadian Pulp and Paper Association 2300 Sun Life Building Montreal, Quebec 1980
CANADIAN GEOGRAPHIC Gr. App. 7 to 12 Student/Teacher Use (M)	Science Social St. Environ. Ed. Phys. Ed. Library	This is one of Canada's finest magazines for quality and variety. On glossy paper, with lots of coloured pictures for the reluctant reader, each edition virtually guarantees an article of interest to every student. It includes book reviews of related-interest books. There are ten issues per year.	Royal Canadian Geographical Society Ottawa, Ontario (current)
CHICKADEE Gr. App. 1 to 4 Student Use (M)	Science Social St. Art Lang. Arts Library	High quality photographs and illustrations, plus childrens work, are evident throughout the 32 pages of this magazine. Exciting things-to-do and an easy-to-read text present different environmental topics having an emphasis on Canadian animals and habitats.	The Young Naturalist Foundation Toronto, Ontario (current)
CONNECTIONS JOURNAL Gr. App. 1 to 12 Teacher Use (J)	Science Lang. Arts Math Art Library	This Alberta journal is issued by the Environmental and Outdoor Education Council of the Alberta Teachers' Association. In addition to feature articles on environmental education programmes it contains teaching hints and units designed by teachers in the province.	"Connections" Journal Editor, Barnett House, 11010 - 142 Street, Edmonton, Alberta. (current)

D

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
DISCOVER Gr. App. 9 to 12 Student/Teacher Use (M)	Earth Sci. Life Sci. Health Library	Discover is another of the new science magazines that have appeared to answer the thirst for current pure science and environmental science information. Excellent short articles with several pages of short "bit-pieces" help to make each issue very readable. It is published every month.	Discover Chicago, Illinois (current)

E

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
ENVIRONMENTAL EFFECTS OF FORESTRY OPERATIONS IN ALBERTA - REPORT AND RECOMMENDATIONS BULLETIN #13 (THE) Gr. App. 10 to 12 Teacher Use (R)	Science Social St. Library	This document contains the highlights of the 12 previous bulletins, plus the arguments and outcomes of the public hearings. Not only are arguments between the forestry industry and citizens presented, but possible solutions, provincially monitored, are also presented as a result of the hearings. (181 pages)	Environmental Council of Alberta 2100 College Plaza Tower #3 Edmonton, Alberta. 1979
EQUINOX Gr. App. 7 to 12 Teacher Use (M)	Social St. Science Library	Subtitled "The Magazine of Canadian Discovery," Equinox is almost completely devoted to environmentally related topics. The articles are usually accompanied by good color photographs and are of a readable length.	Equinox Publishing Camden East, Ontario. (current)
EXPLORE ALBERTA Gr. App. 5 to 12 Teacher Use (M)	Lang. Arts Phys. Ed. Science Social St. Library	This is a relatively new magazine. April of 1981 was the first issue. The magazine combines outdoor adventure, advide and environmental issues. As well, equipment evaluations and how-to-do-it articles are run. It is published by-monthly.	Alberta Publishing Co. Calgary, Alberta. (current)

G

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
GALT MUSEUMS EXTENSION PROGRAMS Gr. App. 1 to 6 Teacher Use (P)	Social St.	This is a seven page mimeographed pamphlet containing museum programs. It is useful information for teachers taking students on specific tours designed to correspond to the Social Studies curriculum.	Galt Museum School Bookings Lethbridge, Alberta.
GUIDE TO THE RESEARCH STATION Gr. App. 10 to 12 Teacher Use (P)	Biology Chemistry	This three-fold pamphlet lists the research personnel and gives a map of the station. It also presents the research objectives of each section. The overall aim is to develop varieties of crops and breeds of animals suited to the irrigated and dryland areas of the region. It is helpful for teachers arranging guided tours.	Information Officer, Canada Agriculture Research Station, Lethbridge, Alberta.

I

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
INTERNATIONAL WILDLIFE Gr. App. 7 to 12 Student/Teacher Use (M)	Science Social St. Art Library	This magazine is a bimonthly presentation containing spectacular photos and compelling writing about the fascinating variety of nature throughout the world. Each issue is packed full of nature articles and adventures, and up-to-the-minute environmental action reports which highlight current Canadian environmental problems and programmes.	published by The Canadian Wildlife Federation, 1673 Carling Avenue, Ottawa, Ontario. (current)

L

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
LETHBRIDGE NATURE RESERVE FIELD GUIDE (THE) Gr. App. 4 to 12 Teacher Use (P)	Science Social St.	A 20 page mimeographed booklet offers information on the Nature Reserve in the rivervalley just west of the downtown business center. It contains geographical and historical data in addition to pertinent features about vegetation. It also contains flora and fauna checklists for the area.	by Lethbridge Naturalist Society Helen Schuler Coulee Center Nature Reserve, Lethbridge, Alberta.
LIST OF PUBLICATIONS ENVIRONMENTAL COUNCIL OF ALBERTA Gr. App. 4 to 11 Teacher Use (P)	Science Social St. Law Library	This paper lists all the publications and hearings relevant to environment and resources in Alberta from 1972 to 1981. Copies of publications are free upon request. (12 pages)	Environment Council of Alberta College Plaza, Tower 3, Edmonton, Alberta. 1982

N

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
NATIONAL GEOGRAPHIC WORLD Gr. App. 4 to 8 Student/Teachaer Use (M)	Science Social St. Lang. Arts Art Library	The high quality photographs and coloured illustrations cover many environmental topics. Each issue contains things to do along with interesting well illustrated articles on North America and the world. It is published monthly.	National Geographic Society, Washington, D.C. (current)
NATIONAL WILDLIFE Gr. App. 6 to 12 Student/Teacher Use (M)	Science Social St. Art Library	The creative talents of the world's foremost artists, writers, photographers, and natural scientists provide excellent reading pleasure in this magazine. In a special supplement "Readers' Wildlife Digest", one can read the latest reports regarding key environmental issues on the American scene. It is published bimonthly.	The National Wildlife Federation Washington, D.C. (current)

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
NATURAL HISTORY Gr. App. 6 to 12 Student/Teacher Use (M)	Science Art Social St. Library	This is a top quality nature magazine with articles relating to every aspect of our environment. A regular section relates celestial matters for the next month and another discusses new books to read about the natural world. This is a monthly publication.	Natural History Bergenfield, N.J. (current)
NATURE CANADA Gr. App. 9 to 12 Student/Teacher Use (M)	Science Social St. Library	Published quarterly by the Canadian Nature Federation, this publication explores the beauty of Canada's wildlands and its wildlife. Feature articles deal with most aspects of our environment. A special news section keeps one up-to-date on developments in the fields of conservation and wildlife protection across the country and around the globe.	The Canadian Nature Federation Ottawa, Ontario. (current)
NATURE STUDY Gr. App. 7 to 12 Teacher Use (M)	Science Library	This quarterly magazine is produced by the American Nature Study Society. The articles are written for the well motivated reader and often contain interesting facts about up-to-date scientific research. It is an excellent source for student projects.	American Nature Study Society R.D.L., Homer, N.Y. 3077
NIKKA YUKO CENTENNIAL GARDEN Gr. App. 1 to 12 Teacher Use (B)	Social St. Indust. Ed. Art	Here is a 36 page record of the founding of the Japanese Garden along with photographs of its development prior to 1980. Good explanations of Japanese landscape gardening and architecture are found. Very useful, background material is offered for teachers taking students on tours of the garden.	Lethbridge and District Japanese Garden Society Lethbridge, Alberta, 1980

O

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
OUTDOOR CANADA Gr. App. 7 to 9 Student Use (M)	Science Phys. Ed. Social St. Outdoor Ed. Library	Published eight times a year, this magazine contains something of interest about most aspects of outdoor living for every member of a family. Articles vary from cross-country skiing, campfire recipes and fishing to all-terrain vehicles.	Outdoor Canada Magazine Ltd., Toronto, Ontario. (current)
OWL MAGAZINE Gr. App. 4 to 6 Student Use (M)	Science Social St. Lang. Arts Library	This is a nature magazine for older elementary children. There are many ideas and activities to use. A large animal centerfold is included in every issue. Ten issues are published each year.	from: The Young Naturalist Foundation Toronto, Ontario. (current)
OXBOW LOOP: SELF-GUIDED TRAIL Gr. App. 5 to 10 Student/Teacher Use (P)	Science	This self-guided trail brochure structures a 30 minute hike from the Nature Quest trail. It points out some of the dynamic influences of water as it shapes the land and nourishes the plant life on the flood plain. Teachers are advised to visit the site before fieldtrip.	Helen Schuler Coulee Center Nature Reserve Lethbridge, Alberta.

R

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
RANGER RICK MAGAZINE Gr. App. 1 to 6 Student Use (M)	Science Lang. Arts Social St. Health Art Library	This monthly children's magazine gives youngsters an appreciation of animals, plants and their environment. It intorduces children to the exciting world that exists outdoors. It gives students the things they enjoy... adventure stories, animal stories, games, puzzles, riddles, contests, and big beautiful photos and more.	by The Canadian Wildlife Federation Ottawa, Ontario. (current)

S

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
SCHOOL YEAR SEASONAL MAP Gr. App. 1 to 6 Teacher Use (B)	General Curriculum Library	Using a seasonal map in the form of a "medicine wheel" the authors have devised a large number of outdoor activities which can be done in a school year during all seasons. A means of preserving results and conclusions is suggested. (80 pages)	Susie Washington, et al Alberta Environment, Edmonton, Alberta. 1980
SCIENCE WORLD Gr. App. 7 to 9 Student/Teacher Use (M)	Science Lang. Arts Health Library	This science periodical has both student and teacher editions. It is available by subscription or single copies may be obtained if one seeks special items only. The wide variety in articles assures that almost every student will find something of appeal.	Scholastic-TAB Publication Ltd., Richmond Hill, Ontario. (current)
SIR ALEXANDER GALT MUSEUM - LETHBRIDGE Gr. App. 1 to 12 Teacher Use (P)	Social St. Art	Museum information is provided in this pamphlet. The history of the building, the services offered and a description of the archives are included. A detailed floor plan of the displays in the different wings is helpful to teachers planning a tour.	Sir Alexander Galt Museum Lethbridge, Alberta. T1J 0P3 (403) - 328-6455
SNOOP Gr. App. 1 to 3 Student/Teacher Use (M)	Lang. Arts Art Science	The Snoop teaching materials include 10 packages, one per month. Each includes a calendar, a teachers guide, and student activity masters. This environmental program helps students explore the joys of the seasons.	L.A. Weigl Educational Associates Ltd. 2114 College Avenue Regina, Saskatchewan (current)
STAFFORD BOTTOM STROLL Gr. App. 3 to 6 Teacher Use (P)	Social St.	This is a self-guided historical walk around the site of Lethbridge's earliest settlement. The walk is a circle tour that begins and ends at the Helen Schuler Coulee Center. The average walking time is fourty-five minutes.	Helen Schuler Coulee Center Nature Reserve Lethbridge, Alberta.

W

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
WELCOME TO THE "FORT" Gr. App. 4 to 6 Student/Teacher Use (P)	Social St. Library	This two-fold pamphlet is available free as the Fort Museum guide to the buildings. This "Fort" is the official North West Mounted Police Museum of Canada. It depicts the N.W.M.P., the pioneers who settled there, and the Indians who have lived in the area for thousands of years.	The Fort Macleod Historical Association Fort Macleod, Alberta.
WILDLIFE REVIEW Gr. App. 4 to 12 Student/Teacher Use (M)	Science Biology Social St. Lang. Arts Library	This is one of the better wildlife magazines being published. Special reports on environmental concerns, pictures, puzzles, features on specific wildlife specimens and poems are just a few of the magazine's offerings. There are twelve issues per year.	from: Information Services Branch Ministry of Environment Parliament Buildings Victoria, B.C. (current)
WORLD MAGAZINE Gr. App. 1 to 9 Student/Teacher Use (M)	Science Lang. Arts Library	Large posters usually are included a few times during the year as this magazine features animals and birds etc., in certain issues. It is a quality magazine, as one would expect from National Geographics. There are twelve issues per year.	National Geographic World Department 00882 17th and M Street N.W. Washington, D.C. (current)

NON-PRINT RESOURCES

Filmstrips & Slides

This is the first section of NON-PRINT RESOURCES. It includes filmstrips, and slide-sets. These are video presentations which do not have a sound track as an integral part of their format. Frequently, however, some sort of sound may be available in the form of a record or audio-cassette. Where this is the case it has been so indicated.

On occasion, the vocabulary of the narration provided to accompany film, videotape programs and filmstrips, etc., is badly suited to a certain group of listeners even though the pictures are ideal for the message to be delivered. Many teachers have enjoyed considerable success by turning off the sound and handling their own narration.

Code-keys used in this section are:

(FS) = Filmstrip (SS) = Slide Set (AC) = Audio-Cassette
(RC) = Record

A

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
ADVENTURES WITH MAP AND COMPASS Gr. App. 4 to 8 (FS)(AC)	Math Social St. Science	This kit consists of three filmstrips, three audio cassettes, and one teacher's guide and covers the following topics: The Map, The Compass, and Orienteering. In a number of easy-to-follow exercises, students are introduced to the concepts of reading a map and compass.	by Scholar's Choice Ltd. Stratford, Ontario
ALBERTA OIL SANDS Gr. App. 4 to 9 (SS)	Science Social St.	Diagrams and photographs help explain the important process of extracting oil from the tar sands of Northern Alberta. Covered also is the history of the region and information on the evacuators, extraction plants and refineries which are a part of the process.	McIntyre Educational Media Ltd. Rexdale, Ontario
ANIMALS OF THEIR WORLD Gr. App. 6 to 9 (FS)(AC)	Science	This beautifully presented kit studies the similarities, differences, growth, development and habitat of insects, fish, amphibians, reptiles, birds and mammals. It also examines how each group fits into the total environment. Six filmstrips and audio cassettes make up the series.	(University Films) McGraw-Hill Ryerson Scarborough, Ontario
ANIMAL TRACKS Gr. App. 4 to 9 (FS)	Science	This introduces the tracks of common Canadian animals. Although in black and white, it presents the relationship between the track and its maker's method of moving. Parallels are drawn between wild and domestic animals. Notes are provided for the teacher.	National Film Board Montreal, P.Q.
ARCTIC (THE) Gr. App. 4 to 11 (FS)(AC)	Science Social St.	This kit contains 2 filmstrips, 2 audio cassettes, and one teacher's manual. These filmstrips show some of the native plants and animals of the polar regions. The adaptations of organisms to life in this harsh, inhospitable region is handled well. Brief mention is made of the controversial oil and gas pipelines proposed for this region.	McIntyre Educational Media Ltd. Rexdale, Ontario
ARCTIC THROUGH ESKIMO EYES (THE) Gr. App. 7 to 12 (FS)(AC)	Social St. Science	This series is by and about the Eskimos of Cape Dorset. It provides a direct insight into the changes in the relationship between these people and their environment. Particular attention is given to the forces precipitating this change. There are four filmstrips and an audio casette.	Visual Education Centre Toronto, Ontario

B

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
BACKPACKING Gr. App. 7 to 12 (FS)(AC)	Phys. Ed. Home. Ec. Science	Students are provided with an extensive introduction to backpacking. As well as teacher notes and ditto masters, classroom activities are provided to aid in the development of a wide base of knowledge. A set of two filmstrips and audio cassettes are provided.	School Service of Canada, Toronto, Ontario
BACKYARD SCIENCE Gr. App. 3 to 6 (FS)(AC)	Science	This series contains a guide, filmstrip and cassette to be used by individuals or the entire class, in four areas of study - ants, bees, beetles and crickets. The physical makeup, functions, life patterns, habitats and relationships to Man, are all examined.	BFA Educational Media Santa Monica, California.
BICYCLING Gr. App. 6 to 10 (FS)(AC)	Health Phys. Ed. Indust. Ed.	Organized into two parts, this kit provides information on selecting and maintaining a bike and bicycle touring. Safety is stressed, especially rules for large touring groups. Spirit masters are supplied for review purposes.	School Services of Canada Toronto, Ontario
BIOLOGICAL CATASTROPHES: WHEN NATURE BECOMES UNBALANCED Gr. App. 7 to 12 (SS)(AC)	Science	This is a two-part program with suggested discussion breaks. It includes a basic description of natural cycles, as a basis for understanding environmental problems. It emphasizes a "values approach" in dealing with these problems. The kit includes 2 slide trays, 2 audio tapes, and 2 teacher's guides.	Science and Mankind Inc. White Plains, New York

C

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
CAMPING Gr. App. 6 to 9 (FS)	Phys. Ed. Outdoor Ed.	Four captioned filmstrips contain information about where to camp, equipment needed, fires and cooking, and basic canoeing.	McIntyre Educational Media Ltd. Rexdale, Ontario
CAMPING WITHOUT A TRACE Gr. App. 7 to 12 (FS)(AC)	Phys. Ed. Outdoor Ed.	This kit shows, in detail, how to organize a camping trip with a group of students. Food and equipment lists are carefully made. A handbook has much advice on minimizing environmental impact.	School Services of Canada Toronto, Ontario
CANADA'S FORESTS Gr. App. 6 to 9 (FS)(SS)	Science Social St.	This kit covers the various types of trees, how important forests are to the Canadian economy, and who is responsible for the future. The kit contains four captioned filmstrips thirty slides, and teacher's support material.	McIntyre Educational Media Ltd. Rexdale, Ontario
CHANGING SEASONS (THE) Gr. App. 1 to 4 (FS)(AC)	Science Social St. Lang. Arts	This filmstrip shows how the lives of certain plants and animals are affected by the seasons. Good follow-up materials show why the seasons change and provide children with activities from a wide variety of subject areas.	National Geographic Society Mississauga, Ontario
COMMON WILDFLOWERS Gr. App. 5 to 11 (SS)	Science Art	This set of slides shows the common wildflower which students might encounter when studying during a field trip. Useful teacher notes are included.	McIntyre Educational Media Ltd. Rexdale, Ontario

CRITICAL ISSUES IN SCIENCE AND SOCIETY Gr. App. 7 to 12 (SS)(AC)	Science Social St. Indust. Ed.	Part I deals with the current energy picture. It establishes the multifaceted nature of the great energy debate and the problems inherent in our deep commitment to fossil fuel use. Part II deals with new sources of energy and the problems inherent in their development.	Science and Mankind Inc. White Plains, N.Y.
CROSS-COUNTRY SKIING Gr. App. 6 to 12 (FS)(AC)	Health Phys. Ed.	This kit follows the experiences of four young people during a six-day period as they learn about cross-country skiing and winter camping. The set deals extensively with clothing, equipment, preparations and precautions. Three filmstrips and tapes make up the set.	School Services of Canada Toronto, Ontario

D

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
DEATH OF A RIVER Gr. App. 4 to 12 (SS)	Science Social St.	These slides present the story of how one river was "killed" through contamination by industrial wastes, human sewage and everyday garbage.	Weston Woods Studios Weston, Ontario
DIMENSIONS OF CHANGE Gr. App. 7 to 9 (FS)(AC)	Social St. Science	Today's students will feel the effects of changes in the way we think and act about ecology, shelter, energy use, food supply, communications and mobility. Some may help create the changes. This program might serve to stimulate debate and discussion. A set of six filmstrips and audiotapes is provided.	International Tele-Film Enterprises Toronto, Ontario
DOOMSDAY: 21st CENTURY? Gr. App. 7 to 12 (FS)(AC)	Social St. Science Sociology	This audio-visual program examines the strains imposed on our planet by overpopulation and technology, and explores the limits to growth that may confront us in the next century. Food shortages, pollution, fuel supplies, and the population problem are given careful documentation. The guide includes a script. Two audio cassettes and filmstrips make up the program.	Prentice-Hall Canada Inc. Scarborough, Ontario

E

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
E IS FOR ECOLOGY Gr. App. 1 to 3 (FS)(AC)	Science Lang. Arts	An animated narrator, Ecology E, takes young children on a journey through the world of ecology. The children are introduced to the concept of ecological cycles. Animation clearly explains the water cycle, air cycle, food cycle and life cycle.	Coronet Instructional Media Ltd. Markham, Ontario
EARTH TODAY: NORTH AMERICA Gr. App. 3 to 10 (FS)(AC)	Science Health Social St. Geography	Topics covered in this extensive kit include the Canadian Sheild - its mineral resources, industries, and geological history; Alaska and the Yukon - physical, economic and human geography, climates, mineral resources; and, the Great Lakes - utilization, mineral resources, and industries. Detailed guides include much supplemental information. There are three filmstrips and tapes in the set.	McIntyre Educational Media Ltd. Rexdale, Ontario
ECOLOGICAL CRISIS (THE) Gr. App. 5 to 9 (FS)(RC)	Science Social St.	The program of six filmstrips and records is fairly useful to teaching ecology. It tends to dwell on the problems and integrate the concepts of food webs, interdependence, energy flow, cycles etc. Topics are: Population Trends, Pollution, Pesticides, Evaluation and Extinction.	Moyer Video Corporation Weston, Ontario
ECOLOGY: MATTER, ENERGY AND ECOSYSTEMS Gr. App. 7 to 12 (FS)(AC)	Science	In Part 1 we find out what an ecosystem is and we observe an aquatic example. The amount of energy such a system is able to trap is discussed in detail. We learn about matter in Part 2 and how the carbon-oxygen, nitrogen and water cycles work. Man's interference may disrupt cycles crucial to life.	Science and Mankind Inc. White Plains, N.Y.

ECOLOGY: MATTER, ENERGY AND ECOSYSTEMS Gr. App. 7 to 12 (FS)(AC)	Science	Producers, consumers, scavengers and decomposers are studied in Part 3. A food chain and food web is outlined and through this we find out how matter and energy are distributed. Part 4 goes into how physical and human impact influences the distribution of biological communities.	Science and Mankind Inc. White Plains, N.Y.
ECOLOGY OF A POND Gr. App. 6 to 10 (SS)	Science	Twenty slides and study guides cover a typical pond ecosystem. There is a large paragraph of material regarding each slide. A word-list, references and suggested projects are included.	Educational Insights Lyons Falls, N.Y.
ECOLOGY: POPULATION, COMMUNITIES AND BIOMES Gr. App. 7 to 12 (SS)(AC)	Science Biology	Population is defined in Part 1 as well as characteristics such as density, distribution, carrying capacity and constant size. The topic of communities is addressed, in Part 2, as are feeding and symbiotic relationships.	Science and Mankind Inc. White Plains, N.Y.
ECOLOGY: POPULATION, COMMUNITIES AND BIOMES Gr. App. 7 to 12 (SS)(AC)	Science Biology	In Part 3 one learns of the different types of succession, primary and secondary. Aquatic successions are studied in detail and Man's impact on the speed of succession is also brought up. Part 4 introduces Biomes. Five major biomes in North America are discussed, as are climatic factors.	Science and Mankind Inc. White Plains, N.Y.
ECOLOGY: SPACESHIP EARTH Gr. App. 7 to 9 (FS)(AC)	Science	Included in this kit are 1 filmstrip, 1 audio cassette, and 1 teacher's guide. It develops the concepts of Earth as a spaceship, with all men and other forms of life as crew-members, dependent on protecting natural life-support systems for food, air, adequate quarters, waste disposal and the energy to live.	Omega Films Ltd. Scarborough, Ontario
ECOLOGY - UNDERSTANDING THE CRISIS Gr. App. 4 to 10 (FS)(AC)	Science Social St.	This is a series of six filmstrips and audio cassettes covering the following topics: Environments and Ecosystems, Man in Ecosystems, Human Communities Simple and Complex, Creating Imbalances, Destroying the Future, and Creating the Future. Each of the filmstrips concludes with provocative questions for thought and discussion.	by Encyclopedia Britannica Educational Corporation Toronto, Ontario
ELEPHANT - A STUDY IN ECOLOGY (THE) Gr. App. 4 to 9 (FS)(AC)	Science Social St.	Elephants are studies since they are probably the most dramatic of all animals. The relationship between man and elephants and the problems of conservation are outlined. Much discussion of ecology and conservation in general could be sparked by this filmstrip.	AIM Educational Aids North Vancouver, B.C.
ENERGY Gr. App. 3 to 10 (FS)(AC)	Science Social St. Indust. Ed	The laws of thermodynamics, world poverty, and solar energy are topics examined in this novel kit. Suggested teaching activities, a bibliography, overview, and a large poster are included. Three filmstrips and three cassettes make up the set.	School Services of Canada Toronto, Ontario
ENERGY AND EVERYDAY LIFE Gr. App. 1 to 6 (FS)(AC)	Social St. Science	The titles of these programs are, "Saving Energy", "Sun, Wind and Water", and "Energy from the Earth". A teacher's manual for each is included. The ways in which individuals can conserve are examined. Each topic is covered on a separate filmstrip and audio cassette.	National Geographic Society Mississauga, Ontario
ENERGY CONSERVATION A CURRICULUM FOR LIVING Gr. App. All Grades (SS)(AC)	All Curriculum Areas	This is a 15-minute slide-tape presentation to introduce the concept of Energy and its effects on our society, and how a set of curriculum materials can be used. (Also available on V.T.R.)	Energy Conservation Curriculum Project Calgary Board of Education Calgary, Alberta

ENERGY FOR TOMORROW Gr. App. 7 to 9 (FS)(AC)	Science Social St.	This series provides an excellent basic outline in the topics of "Nuclear Energy", "Solar Energy" and "Other Energy Alternatives". There are three tapes and three filmstrips in the set.	Educational Material and Equipment. New Rochelle, N.Y.
ENERGY MANAGEMENT FOR THE FUTURE Gr. App. 6 to 12 (FS)(AC)	Science Social St. Indust. Ed.	Students learn that energy is the most valuable commodity on earth. In the five filmstrips, students see how energy affects us, and what affect we can have on energy consumption in the home, with our food, in leisure and in transportation.	McIntyre Educational Media Ltd. Rexdale, Ontario
ENERGY MANAGEMENT FOR THE FUTURE Gr. App. 6 to 12 (FS)(AC)	Science Social St. Indust. Ed	The frames include a combination of cartoons and photographs. This filmstrip includes some subtitles on how we have been manouevered into the situation we are in in relation to energy consumption. Some conservation methods are suggested and some futuristic ideas are suggested. There are five tapes and filmstrips in the set.	National Film Board Montreal, Quebec
ENERGY: UNDERSTANDING AND MANAGING A CRITICAL RESOURCE Gr. App. 7 to 12 (FS)(AC)	Science Health Social St. Indust. Ed	This program introduces the law of conservation of energy and stresses the fact that the earth's resources are running out. The forms, sources, and supplies of energy are discussed in relation to costs, benefits, risks, and technology required to use each source. It has a multidisciplinary approach emphasizing conservation. A set of five programs plus a guide is provided.	Prentice-Hall of Canada Ltd. Scarborough, Ontario
ENVIRONMENTAL ACTION: NO TIME TO WASTE Gr. App. 3 to 6 (FS)(RC)	Social St. Lang. Arts Science Music Art	The detailed teacher's manual shows how this can be used as lesson material for a unit 12 to 15 hours long. It includes the study of folksongs relating to pollution, local, provincial and federal government actions in relation to pollution, natural cycles and what the individual citizen student can do.	Wintergreen Communications Ltd. Concord, Ontario
ENVIRONMENTAL PROTECTION Gr. App. 7 to 10 (FS)(AC)	Science Social St.	Pollution problems are discussed. Students are lead to an understanding of biospheres, ecosystems and how they can all have an effect on the problem and the solution.	McIntyre Educational Media Ltd. Rexdale, Ontario
EXPLORING ECOLOGY Gr. App. 5 to 9 (FS)(AC)	Social St. Science	Each of five biomes are studied in these filmstrips. After both the biotic and abiotic factors of each are shown, plus their interaction, Man's effect on these delicate balances is featured. Solutions to these problems are left open.	National Geographic Society Mississauga, Ontario
EXTINCTION AND ENDANGERED SPECIES: NATURAL PROCESS OR HUMAN INTERVENTION Gr. App. 7 to 12 (FS)(AC)	Science Biology	A discussion of Darwin's theoretical model is the main thrust of Part 1. After both the biotic and abiotic factors of each are shown and their interactions with each other, Man's effect on Part 2 deals with Man's impact on the environment.	Science and Mankind Inc. White Plains, N.Y.
EXTINCT AND ENDANGERED SPECIES: NATURAL PROCESS OR HUMAN INTERVENTION Gr. App. 7 to 12 (FS)(AC)	Science Biology	Part 3 deals with the ways humans affect the survival of non-human species. It is termed as a world-wide disruption. Part 4 discusses endangered species, populations dependent on humans and artificial means of increasing populations. It ends with the idea that we should fix up what we have ruined.	Science and Mankind INc. White Plains, N.Y.

F

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
FAMILY CAMPING: THE CAMPER AND HIS EQUIPMENT Gr. App. 4 to 8 (FS)	Phys. Ed. Social St.	This is a set of four 35 mm filmstrips in color dealing with family camping, planning and preparing, setting up a campsite and cooking. It is designed to arouse interest and provide very basic information.	Department of National Health and Welfare Ottawa, Ontario
FOOD ADDITIVES: HELPS OR HAZARDS Gr. App. 7 to 12 (FS)(AC)	Social St. Consumer Education	This sound filmstrip describes the difference between safe and questionable additives and between natural and synthetic additives. It also looks at how the U.S. Government regulates food additives.	School Services of Canada Toronto, Ontario
FOOD FOR THE WORLD Gr. App. 4 to 7 (FS)(AC)	Science Social St. Home Ec.	Topics include history, custom, costs, scarcity and plenty and the future. Social studies and science can be integrated with this kit. This program is made up of five filmstrips and five audio cassettes.	National Geographic Society Mississauga, Ontario
FORECASTING THE WEATHER Gr. App. 5 to 9 (FS)(AC)	Science	This strip explores a wide variety of atmospheric conditions, explaining how they developed and how they change. The tools of the weather man are introduced and directions for the assembly of a simple weather station are given.	National Geographic Society Mississauga, Ontario
FOUR SEASONS (THE) Gr. App. 1 to 3 (FS)(AC)	Lang. Arts Social St. Science	Part of the "Rhythms to Reading" series, these filmstrips use story, song and rhyme to sensitize children to the changes taking place in their environment while teaching them to read. There are four sets of filmstrips and tapes.	Bowmar Ltd. 4563 Colorado Blvd. L.A., California

G

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
GEOLOGY: OUR DYNAMIC EARTH Gr. App. 3 to 6 (FS)(AC)	Science	This kit contains 4 cassettes, 4 filmstrips and guidebooks relating to the face of the earth, the changing land, the restless earth and how geology affects people.	National Geographic Society Mississauga, Ontario

H

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
HEAD-SMASHED-IN BUFFALO JUMP Gr. App. 4 to 8 (SS)	Social St.	This is a 30-minute slide presentation explaining the evolution and history of this archeological/historical site at Fort Macleod. It is an excellent pre-fieldtrip introduction to the largest and best preserved buffalo jump in North America.	Fort Macleod Museum Fort Macleod, Alberta
HOW LIVING THINGS DEPEND ON EACH OTHER Gr. App. 2 to 5 (FS)(AC)	Lang. Arts Science	Children are able to see the inter-relationships among the living things that are common in the environment. Interdependence is seen in the life cycles of the living things around us. This might be a good discussion topic before a walking field trip.	National Geographic Society Mississauga, Ontario

HOW PLANTS AND ANIMALS ARE GROUPED Gr. App. 6 to 8 (FS)(AC)	Science	This kit illustrates the structural characteristics of plants and animals used by scientists to group living things. Students are encouraged to carefully observe the similarities and differences in plants and animals so they can accurately classify them. Two filmstrips and two tapes are included.	National Geographic Society Mississauga, Ontario

I

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
IDENTIFYING MINERALS: SEARCHING FOR CLUES Gr. App. 7 to 10 (FS)(AC)	Science Social St.	This program has two filmstrips and tapes together with a useful teacher's manual. Ideally, students should be able to view the material and then be ready to perform some mineral identification tests.	McIntyre Educational Media Ltd. Rexdale, Ontario 1980
INDIAN PEOPLE Gr. App. 3 to 6 (SS)	Social St.	Sets of slides, produced by the people at the Galt Museum are available to teachers. Some of the information from the archives has been transferred to this medium. Information on the life of local Indian tribes is offered.	Galt Museum Archives Lethbridge, Alberta

L

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
LIFE IN A POND Gr. App. 3 to 5 (FS)(AC)	Lang. Arts Science Social St.	The students learn about the pond as an ecosystem without actual definition. They learn the parts of the pond, the creatures in the pond and the ways in which all parts are related.	National Geographic Society Mississauga, Ontario
LIFE SCIENCES UNIT (THE) Gr. App. 1 to 4 (FS)(AC)	Science Health Art	Ideas developed in this section of the BEGINNING CONCEPTS series include similarities between plants and animals as living things, structures of plants and animals, life cycles, life processes, and ecological concepts. The relationship of child/man to environment is stressed with a conservationist approach. The guide is extensive. Five filmstrips and tapes make up the set.	Scholastic-TAB Publications Ltd. Richmond Hill, Ontario
LIONS, TIGERS, AND OTHER BIG CATS Gr. App. 2 to 4 (FS)(AC)	Lang. Arts Science	The material focuses on the behaviour of various big cats in the wild - how they hunt, care for and teach their young, and the danger of their becoming extinct. It contains guide books, as well as the audio-visual material.	National Geographic Society Mississauga, Ontario
LIVING ARCTIC (THE) Gr. App. 5 to 9 (FS)	Science Social St.	The Arctic is presented as a fragile, living environment through an overview of its geology, climate, zoology, botany and anthropology. Eskimos and modern Man are contrasted in their handling of this delicate environment. There are five filmstrips in this set on the Living Arctic.	Visual Education Centre Toronto, Ontario
LOOK AT PLANTS (A) Gr. App. 3 to 5 (FS)(AC)	Lang. Arts Science Social St.	Students gain an understanding of various parts of a plant and their functions, how plants depend on one another, how they make food, how pollination and fertilization take place, and how plants grow.	National Geographic Society Mississauga, Ontario
LOOK AT THE EARTH AROUND US: MOUNTAINS (A) Gr. App. 3 to 5 (FS)(AC)	Lang. Arts Science Social St.	The structure of mountains, the various types there are, how they are formed, the process of erosion and their importance to humans as aesthetic, recreational and natural resources, are some of the many topics covered in this presentation.	National Geographic Society Mississauga, Ontario

M

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
MAP SKILLS SERIES Gr. App. 4 to 9 (FS)	Science Social St.	This filmstrip set, with teacher's guide, is a good introduction to map skills. It includes symbols, scales, orientation and topographical maps. Four filmstrips make up the set.	McIntyre Educational Media Ltd. Rexdale, Ontario

N

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
NORTH AMERICAN BIOMES Gr. App. 7 to 9 (FS)(AC)	Science	This program examines the habitats and Communities of living things in three biomes: mountain, desert and prairie. The complex interactions of plants and animals and the conditions that characterize each biome are examined.	Gordon Watt Films Inc. Agincourt, Ontario
NUCLEAR ENERGY: PERIL OR PROMISE? Gr. App. 7 to 12 (FS)(AC)	Science Health Indust. Ed Social St.	This program presents the facts and dangers of nuclear energy. The history of nuclear power - its use in peace and war; how nuclear energy works; Three Mile Island; alternatives to nuclear power; waste disposal problems; and, the future of nuclear energy are among topics covered. A teacher's guide includes script and questions. There are four strips and tapes in this program.	Science and Mankind Inc. White Plains, N.Y.

O

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
ONE WINTER'S DAY IN A NATIONAL PARK Gr. App. 3 to 6 (FS)(AC)	Science Lang. Arts	This kit consists of six filmstrips with cassettes, and a teacher's guide dealing with winter natural science studies. Facts about snow, animal tracks, the ecosystem, the beaver and muskrat's manipulation of the environment and the Great Blue Heron are presented.	McIntyre Educational Media Ltd. Rexdale, Ontario
OUR ENVIRONMENT: SOUND AND NOISE Gr. App. 4 to 6 (FS)(AC)	Scinece	This kit introduces students to the concepts of sound and Man's attempts to control it, demonstrating importance of need to control it. It has suggested follow-up activities.	Marvin Melnyk Assoc. Ltd. Queenston, Ontario
OUTDOOR EDUCATION: SUMMER SURVIVAL- WINTER SURVIVAL. Gr. App. 4 to 9 (FS)(AC)	Phys. Ed. Health Science	These filmstrips offer a number of useful hints and tips to those who are planning wilderness hikes in unfamiliar territory.	Distributed by Ethos Ltd. Scarborough, Ontario
OUTDOOR EDUCATION SERIES Gr. App. 7 to 12 (FS)(AC)	Social St. Phys. Ed. Health	This series deals with a number of outdoor education topics. These include: dressing fish, outdoor cooking, ice fishing, outdoor clothing, basic rock climbing and advanced rock climbing. The series is made up of six filmstrips and six audio tapes.	School Services of Canada Toronto, Ontario

P

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
POLLUTION Gr. App. 7 to 12 (FS)(AC)	Science Social St.	There are six filmstrips with accompanying cassettes. The major areas addressed are as follows; Introduction and Definition of Pollution; Air; Water; Solid; Pesticides and Radioactive Waste; and, Solutions. These present a very thorough look at the subject matter.	Student Services of Canada Toronto, Ontario

R

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
RECYCLING: AN ECOLOGY STUDY Gr. App. 6 to 8 (FS)(AC)	Social St. Science	The problem of solid waste is the main topic. Nature's way of recycling is examined. The need to recycle such materials as paper and aluminum and other "waste" is explored in the units "Conservation of Natural Resources" and "Science, technology and Man".	free from Aluminum Association New York, N.Y.

S

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
SAVING OUR PLANET Gr. App. 3 to 9 (FS)(AC)	Science Social St.	The filmstrips are an excellent introduction to basic environmental problems and provide students with a sense of reality. They describe and illustrate examples of good environmental practices children can look for as they explore their surroundings. There are two filmstrips and tapes in this program.	National Geographic Society Mississauga, Ontario
SAVING OUR WILD ANIMALS Gr. App. 3 to 8 (FS)(AC)	Science Social St.	The unit titles are - "Land Animals", and "Air and Water Animals". These filmstrips show the relationship between Man's activities and the endangering of wildlife species. They also show how man is attempting to protect these animals while maintaining a balance with his own needs.	National Geographic Society Mississauga, Ontario
SCIENCE AND HUMAN VALUES Gr. App. 4 to 8 (FS)(AC)	Science Social St.	Program topics relate human values and our garbage. Problems that occur due to our needs and wants producing so much waste are shown followed by alternate plans to cope with the waste. Puzzle worksheets are also included. Two filmstrips and audio cassettes are included.	Educational Material and Equipment Co. New Rochelle, N.Y.
SCIENTISTS AND HOW THEY WORK Gr. App. 5 to 8 (FS)(AC)	Science Lang. Arts	This kit illustrates the way scientists solve problems and eventually discover things. Students see a reason to observe carefully, how to set up experiments, how to use instruments, and how to gather data.	National Geographic Society Mississauga, Ontario
SEASONS (THE) Gr. App. 1 to 6 (FS)(AC)	Science Health	Clear photography helps students explore the seasonal changes in plant and animal life along with methods of adaptation. There are separate filmstrips on spring, summer, autum, winter, and the changing seasons. Guides include script, discussion and follow-up activities, and a glossary.	National Geographic Society Mississauga, Ontario 1975
SNOW CAMPING: BASE CAMP Gr. App. 7 to 12 (FS)(AC)	Phys. Ed.	Photographed amid the Rocky Mountain scenery this filmstrip presents some of the requirements of snow camping. The major focus is on equipment and general precautions rather than specific techniques	Great American Film Factory

SPIDERS Gr. App. 3 to 8 (FS)(AC)	Science	Through superior photography and informative narration, these four filmstrips and tapes introduce many kinds of spiders. It explains how spiders spin and use silk, how they capture food, where they live, how they reproduce, how they grow and how they differ from insects.	National Geographic Society Mississauga, Ontario

U

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
UNDERSTANDING NATURAL ENVIRONMENTS: FORESTS AND WATERS OF THE NORTH Gr. App. 7 to 12 (FS)(AC)	Science	The tundra is compared to timberline through a look at the adaptations to the environment of various plants and animals. The main emphasis is on the fragile balance of the environments.	Science and Mankind Inc. White Plains, N.Y.
UNDERSTANDING NATURAL ENVIRONMENTS: FORESTS AND WATERS OF THE NORTH Gr. App. 7 to 12 (FS)(AC)	Science	The bogs, streams and lakes of this area are studied in detail. A fallen log is shown as an explanation of succession. The animals which call this environment home are also discussed.	Science and Mankind Inc. White Plains, N.Y.

W

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
WAYS OF ANIMALS (THE) Gr. App. 1 to 4 (FS)(AC)	Science Lang. Arts	This series of filmstrips is for the primary grades. It presents the concepts of food, shelter, rest, coverings, protection, movement, growth change, dependancy, interdependancy and adaptations of various kinds of animals. The full series consists of ten filmstrips and audio cassettes.	Bowmar Productions L.A., California
WEATHER IN THE WILDERNESS Gr. App. 7 to 9 (FS)(AC)	Science Phys. Ed.	The intent of this filmstrip is to introduce the novice hiker to some of the weather-related problems he may encounter. Particular stress is placed on hypothermia, but heat stroke, frost bite and snow blindness are also examined.	Great American Film Factory
WHAT ON EARTH! A LOOK AT PLANTS Gr. App. 2 to 6 (FS)(AC)	Science Lang. Arts	These color photographs of plants can be used as a discussion aide, a plant study, or as a relaxation tool. An identification guide is provided to accompany the pictures.	McIntyre Educational Media Rexdale, Ontario
WINTER CAMPING ACTIVITIES Gr. App. 6 to 11 (FS)(AC)	Phys. Ed. Outdoor Ed.	This is a set of three filmstrips that provide campers with all the essentials of having a successful winter camping activity. The specific titles are: Part I - Preparation; Part II - At the Campsite; and Part III - Activities. The activities cover tobogganing, animal track identification, exploration, ice fishing and photography.	Bouchard and Associates Montreal, Quebec

Y

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
YOU, ME, AND THE ENVIRONMENT Gr. App. 5 to 9 (SS)(AC)	Science Social St.	This open-ended multidisciplinary unit discusses solid waste disposal, recycling and reuse, resource conservation and litter.	Outdoors Unlittered Edmonton, Alberta

Films & VCR

This is the second section of NON-PRINT RESOURCES. It includes films, videotapes and videodiscs, code-keys used in this section are:

(F) = Film (VT) = Videotape (VD) = Videodisc

A

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
ACCESS FILMS Gr. App. Varied (F)(VT)	Science Social St. Art Lang. Arts	Obviously, ACCESS has its own catalogue of available audio-visual resources. Teachers will select those which seem most appropriate. A few of the many titles which could be a part of an environmental education program are listed below.	Alberta Educational Communications Corporation, Media Resource Centre, Calgary, Alberta
" 1 to 4 4 to 9 7 to 12 3 to 9 9 to 12	Science Social St. Science Science Social St.	AT HOME BETWEEN THE TIDES # 129107 BANKHEAD # 225401 BOW SUMMIT (Edukit) CANADA'S ENDANGERED SPECIES (Four Programs) CITIES IN CRISIS # 122711	"
" 4 to 9 1 to 5 6 to 11 3 to 7 9 to 12	Science Health Social St. Science Science Science	ECOLOGY - YOU AND YOUR ENVIRONMENT (Seven Programs) # 132201 to # 132207 HARRIET'S MAGIC HATS (Thirteen Programs) JOHNSON CREEK (CANYON) (Edukit) KNOW YOUR WORLD (Eight Programs) #217501 to # 217508 NATIONAL GEOGRAPHIC SPECIALS # 133701 to # 133721	"
" 4 to 9 9 to 12 4 to 8 1 to 4 5 to 9	Science Science Science Social St. Phys. Ed.	PRAIRIE AND ALPINE HABITAT # 229101 to # 229116 RENEWABLE SOCIETY # 208701 to # 208717 RESOURCE REVIEW (Eight Programs) RIPPLES (Five Programs) SKI CROSS-COUNTRY (Twenty-six Programs)	"
ACID FROM HEAVEN Gr. App. 6 to 12 (F)	Science Social St. Indust. Ed.	Accurate, up-to-date and scientifically vetted, the film shows much of the basic information and answers many fundamental questions about acid rain. It will assist students in acquiring a working knowledge of the basic aspects of the acid rain phenomenon.	by National Film Board of Canada Montreal, Quebec
AH, MAN, SEE WHAT YOU'VE DONE? Gr. App. 7 to 9 (F)	Social St. Science	This 26 minute color film shows the beauty of the sea, its ecology and fragility as discovered through the eyes of children. Pollution is seen as a world-wide problem showing up even on beaches of Hawaii. It suggests ways to prevent permanent destruction of this very important biome.	Marlin Motion Pictures Mississauga, Ontario
ALBERTA'S CHANGING ENVIRONMENT Gr. App. 6 to 12 (F)	Social St. Science Indust. Ed.	This film provides an overview of factors contributing to pollution in Alberta. It touches on ecological imbalance created by construction and development, human litter and industrial pollutants. Few solutions are shown, however.	Alberta Wildlife Foundation Calgary, Alberta
ALBERTA'S SHORES Gr. App. 6 to 12 (F)	Social St. Science	The viewer is provided with a novel approach to describing Albertans' use of water for recreation, industry and conservation. Some of the conflicts are discussed and solutions are proposed. The main theme, "too many uses-too little room", points to the fact that the majority of lakes are in Northern Alberta. (Colour 18 minutes)	Alberta Environment Tinsel and Sham Productions, Edmonton, Alberta
ALONG THE WHOOP-UP TRAIL Gr. App. 4 to 8 (F)	Social St.	Filmed in Writing-On-Stone Park, this 14 minute film is very good pre-study material for a visit to the park. It offers background material for the Indian way of life in Southern Alberta and also for the whiskey trade and Fort Whoop-Up. (NOTE: Could be checked for cultural bias, etc.)	Canadian Film Makers Distribution Centre from Lethbridge Public Library and Southern Alberta Regional Film Centre

ANALYZING ADVERTISING Gr. App. 8 to 12 (F)	Social St. Indust. Ed. Business Ed.	This film will acquaint viewers with some of the techniques used by commercial advertisers to influence consumers to buy certain products or services. A guide and notes are included.	International Tele-Film Toronto, Ontario
ANIMAL MIGRATION Gr. App. 7 to 12 (F)	Science	In this film, viewers see the migration of such animals as the mountain sheep, monarch butterfly, whales, elephant seals, salmon, and the arctic tern. Even with current scientific knowledge, migration remains one of the most spectacular and mysterious aspects of animal behaviour. (Colour 12 minutes)	Allied Film Artists, Inc. Hollywood, California
ANIMALS OF NORTH AMERICA Gr. App. 2 to 9 (F)	Science	This is part of the series, Animals of the World. It deals with animals inhabiting the continent of North America.	Magic Lantern Film Distributors Oakville, Ontario
ANOTHER SIDE OF BEEF Gr. App. 6 to 12 (F)	Social St. Science Indust. Ed. Agriculture	This 28 minute film shows most aspects of Alberta's cattle industry including breeding (artificial insemination), calving, summer range feeding, feedlot operations, cattle auctions and a meat packing plant. It is thorough, but too detailed for lower grades.	Century II Motion Pictures Edmonton, Alberta (for Alberta Cattle Commission)
APOLLO/SHUTTLE - SPACE DISC 2 Gr. App. 7 to 12 (VD)	Science	This laser disc offers the onboard photography record and the launch and mission highlights of the Apollo Lunar flight and moon walk.	Centre for Aerospace Education Drew University, Madison, New Jersey
ATONEMENT Gr. App. 7 to 12 (F)	Science Social St.	This is a strong hard-sell approach to the preservation of our wilderness environment and the animals contained therein. The care and maintenance of herds are included as are the tagging operations of whooping cranes, grizzlies and geese. (Colour 51 minutes)	National Wildlife Service National Film Board Montreal, P.Q.

B

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
BACKPACK TO NATURE Gr. App. 5 to 10 (F)	Science Phys. Ed.	This film portrays three people on a five-day hike and deals with the essentials of backpacking - food preparation, clothing, equipment, safety and general camping techniques.	Canadian Film Maker Distribution Centre
BEAR COUNTRY Gr. App. 1 to 4 (F)	Science	Although the Walt Disney overtones do seep in, this film about a black bear family remains quite factual. The simple presentation and language will ensure that a younger audience will appreciate it. (Colour 31 minutes)	McIntyre Educational Media Rexdale, Ontario
BIG HORN Gr. App. 4 to 12 (F)	Science	The life of a big horn sheep is followed from its infancy to adulthood. There are some excellent shots of the scenery in Banff and Jasper National Parks. (Colour 10 minutes.) (NOTE: No voice sound track)	National Film Board Montreal, P.Q.

BLACKFOOT PEOPLE: SIKSIKAI - KWAN (THE) Gr. App. 5 to 12 (F)	Social St.	This 13 minute film on the role of the Blackfoot People in the early history of Alberta is very fine, both technically and in the information it provides. On-site locations show where Chief Crowfoot signed Treaty Seven, where medicine wheels and buffalo jumps are located and where the march west of the N.W.M.P. took place.	Kinetic Film Enterprises Ltd. Toronto, Ontario
BLOWHARD Gr. App. 7 to 12 (F)	Social St. Science Lang. Arts	This animated parable centres around an Easterner who goes west to create a fuel company. Serious problems arise when the company's source of energy starts to diminish. This spoof about energy provides a springboard for discussion about the crucial difference between renewable and non-renewable sources of energy.	National Film Board Montreal, P.Q.
BY NATURE'S RULES Gr. App. 7 to 12 (F)	Phys. Ed. Health	Hypothermia is one of the primary dangers faced by people in the out-of-doors. This film describes the causes of the problem and preventive measures which should be taken. (28 minutes)	Safeco Insurance Company Distributed by J. Lawless Incorporated Toronto, Ontario

C

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
CEASAR'S BARK CANOE Gr. App. 7 to 12 (F)	Social St. Fine Arts Practical Arts Indust. Ed.	This very fine film is in two parts. Ceasar is a sixty-seven year old native gentleman who builds a canoe from birch bark. He uses only natural materials and hand tools. All the patient steps and careful details are recorded. (57 minutes)	National Film Board Montreal, P.Q.
CHANGING SEASONS Gr. App. 1 to 6 (F)	Science Social St. Lang. Arts	Children are introduced to the concept of seasons and the ways in which seasons affect plants, animals, and people. Changes in various regions of the world show that seasons mean different things in different places. Discussion questions are included. (Colour 12 minutes)	Encyclopedia Britannica Education Corporation Toronto, Ontario
CITIZEN HAROLD Gr. App. 3 to 12 (F)	Social St.	Harold was a "typical" person - driven by progress, rather egocentric, and addicted to television. He was jarred into environmental action and became a concerned citizen prepared to fight to preserve the trees in his neighbourhood.	National Film Board of Canada Montreal, P.Q.
CLUB OF ROME Gr. App. 10 to 12 (F)	Social St.	The Club of Rome was formed to discuss the present and future predicament of Mankind. Its major concern has to do with global interaction toward technological and natural problem. This is a rather sophisticated presentation. (Two reels - 60 minutes)	National Film Board Montreal, Quebec
CONCERT FOR CLOUDS (musical accompanyment) Gr. App. 1 to 12 (F)	Science Fine Arts Lang. Arts	Time-lapse photography shows different cloud formations. A musical background accompanies the entire film and the ending shows some very beautiful sunset shots. (Colour 9 minutes)	produced by William Murray Viking Films Markham, Ontario
CONSERVATION AND THE BALANCE OF NATURE Gr. App. 7 to 12 (F)	Science	This film investigates the balance in natural ecological systems as related to the most critical question of our time. What is man doing to his environment? The Role of Man in changing the existing balance in biological communities is examined critically.	Educational Film Distributors Bouchard and Associates Montreal, P.Q.

CROSS-COUNTRY SKI TECHNIQUE Gr. App. 7 to 12 (F)	Phys. Ed. Health	Slow motion film sequences illustrate the beauty, grace and skill of cross-country skiing. Filmed mainly at Banff, Rolm Kjaernski, internationally renowned Norwegian coach, gives advice on the proper equipment and its use, techniques of the sport, and waxing. The emphasis is on recreational skiing. (Colour 25 minutes)	Kinetic Film Enterprises Toronto, Ontario
CROSS-COUNTRY SKIING Gr. App. 4 to 8 (F)	Phys. Ed. Health	This 30-minute film compares the techniques of cross-country skiing with walking. It also includes techniques such as skiing uphill, climbing over fences, and skiing across open areas. This is an excellent reference for the beginner.	National Educational Television (N.E.T.)

D

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
DEATH OF A LEGEND Gr. App. 9 to 12 (F)	Social St. Science	This is a dramatic and moving film focusing on misunderstanding about the wolf. There are scenes of wolves eating a fresh kill and some cruel footage of wolves being hunted and shot. The wolves' place in the food chain is outlined and the life of a pack is beautifully demonstrated. (Colour 51 minutes)	Canadian Wildlife Federation National Film Board Montreal, P.Q.
DINOSAURS Gr. App. 3 to 6 (F)	Science	The footage for this film was taken at Dinosaur Provincial Park, in Alberta, and at the National Museum in Ottawa. The plot follows two young children and their teacher as they study dinosaurs. A guide for teachers is provided.	National Geographic Society Mississauga, Ontario
DRYLAND TRAINING KIT Gr. App. 6 to 9 (VT)	Phys. Ed.	Much basic canoeing can be taught in a gym on benches using brooms or other makeshift paddles. This video demonstrates this technique. Start the video and have the students practice when the class on the video does. The master is available for copies.	Red Deer School District # 104 Red Deer, Alberta 343 - 8896

E

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
ECOLOGY OF PONDS Gr. App. 3 to 9 (F)	Science	Ponds are an excellent example of how nature maintains a balance within a ecological system. This is a documentary of some of the major aspects of pond life. A study guide is provided to accompany the filmed material.	National Film Board Montreal, P.Q
ECOSYSTEMS: NETWORK OF LIFE Gr. App. 7 to 10 (F)	Science	This film explores the interactions that take place between living things and between organisms and the physical elements in their environment. The problems Man encounters as a unit in a large and complex ecosystem are defined.	Holt, Rinehart and Winston of Canada Ltd. Toronto, Ontario
EDGE OF THE BARRENS Gr. App. 3 to 12 (F)	Science Social St.	This is a documentary film about the sub-arctic region showing terrain, wildlife and vegetation. The film discusses the adaptation capabilities of the flora and fauna which allow them to survive in this harsh environment.	National Film Board of Canada Montreal, P.Q.

ENERGY Gr. App. 7 to 12 (VT)	Social St. Science	The depletion of energy resources, the need for energy alternatives and the effect upon humans of certain energy-related activities are the subjects of this film. Part of the dramatization discusses possible shortages in Canada. (30 minutes)	Ontario Education Communication Authority Toronto, Ontario
ENERGY AND NUCLEAR POWER Gr. App. 6 to 11 (F)	Science Social St. Indust. Ed.	Although an American production, this is an effective current examination of the energy crisis in terms of the development and alternatives to nuclear energy. The pros and cons of nuclear energy are delineated. (Colour 14 minutes)	International Tele-Film Enterprises Ltd. Toronto, Ontario
ENERGY MANAGEMENT FOR THE FUTURE Gr. App. 1 to 12 (F)	Lang. Arts Social St. Science Home Ec. Indust. Ed	This contains a 260minute film, 5 sound filmstrips, and a 127-page source book of ideas and activities for energy conservation learning programs. There are many ideas in the source book that can be used to strengthen concepts and make learning fun. (26 minutes)	Office of Energy Conservation Department of Energy Mines and Resources, Ottawa, Ontario
ENERGY: THE PROBLEMS AND THE FUTURE Gr. App. 7 to 12 (F)	Science Social St. Indust. Ed.	An interesting examination of the potential of several non-polluting, renewable energy resources, this film suggests ways each of the four basic elements - water, wind, earth, and sun can produce energy for the future. (Colour 23 minutes)	National Geographic Society Mississauga, Ontario
ENERGY SEEKERS (THE) Gr. App. 7 to 12 (F)	Science Social St. Indust. Ed.	This film presents a wide-ranging view of massive efforts to locate new energy sources and develop future sources of alternative energy - wind, solar, ocean. It illustrates that both private industry and the federal government in Canada are engaged in the search for energy, often in close cooperation. (Colour 11 1/2 minutes)	Magic Lantern Film Distributors Oakville, Ontario
ENERGY: THE FUELS AND MAN Gr. App. 7 to 12 (F)	Science Social St. Indust. Ed.	Modern society and its high standard of living has been built by exploiting the earth's nonrenewable energy resources. The film discusses how, if our way of life is to survive, man will have to find new fuels and learn to harness them. (Colour 23 minutes)	National Geographic Society Mississauga, Ontario
ENERGY: THE NUCLEAR ALTERNATIVE Gr. App. 8 to 12 (F)	Science Social St. Indust. Ed.	In a rather controversial manner, this film shows how a nuclear reactor is used to produce electricity and the extent of the American nuclear energy program. Some of the problems and hazards of nuclear energy and problems of waste disposal are presented. The conflict between the proponents and opponents of this energy source is documented. (Colour 22 minutes)	Gordon Watt Films Inc. Agincourt, Ontario
ENVIRONMENTAL ENRICHMENT Gr. App. 4 to 6 (F)	Social St. Lang. Arts Science	This 23 minute film follows the course of development of a plan initiated by a group of upper elementary students to change their flat, treeless playground into a useful, attractive and creative environment.	Magic Lantern Film Distributors Oakville, Ontario
EVERYTHING - NOTHING Gr. App. 6 to 10 (F)	Social St. Lang. Arts	In this brillantly animated film, the film-maker has created a world of rich colors and images, a place where all creatures live in harmony with nature. Into this peaceful setting comes Man who, finding he cannot adapt to nature, attempts to dominate it.	National Film Board of Canada Montreal, P.Q.
ESTUARY Gr. App. 7 to 11 (F)	Science	Superb photography brings into view the world of the estuary, an ecosystem teeming with life. The film explains the food chain of an estuary and shows the interaction of its organisms. It offers a starting point for research and for discussion about Man's impact on the balance of nature.	National Film Board of Canada Montreal, P.Q.

EXPLORATION OF THE UNIVERSE - SPACE DISC 4 Gr. App. 7 to 12 (VD)	Science Social St. Guidance Indust. Ed	This laser disc offers some of the most modern and up-to-date pictures and information about the Solar System and the visible universe.	Center for Aerospace Education Drew University, Madison, New Jersey

F

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
FARM COMMUNITY Gr. App. 2 to 6 (F)	Social St.	Although this 14-minute film deals with a farm in the U.S. cornbelt, the concepts it teaches about the farm community are highly applicable to Southern Alberta. It shows farm life as centred about the children who live there and also shows the importance of the farm community.	Bouchard et Associes Montreal, Quebec
FARM TO SUPERMARKET Gr. App. 3 to 6 (F)	Social St. Science Agriculture	This 15-minute film gives children a very good background on many types of local agricultural operations. Included in the film are ranching, wheat farming, a modern pig operation, and the growing of potatoes and sugar beets. The vocabulary is sometimes difficult.	Bortnick Film Productions Winnipeg, Manitoba
FIVE BILLION YEARS Gr. App. 5 to 12 (F)	Science Lang. Arts	This fine animated film traces the evolution of North America from the earth's geophysical beginnings, through the advent of the first living cells, the invertebrates, the dinosaurs and mammals right up to the arrival of Man.	National Film Board of Canada Montreal, P.Q.
500 MILLION YEARS BENEATH THE SEA Gr. App. 7 to 12 (F)	Science Biology Geography Ecology	Jacques Yves Cousteau photographs the 500 million year old Nautilus, symbol of the ocean's stability which is being disrupted by Man. The ecological imbalance caused by pollution is resulting in destruction of some species while others are adapting to the new conditions.	Gordon Watt Films Inc. Agincourt, Ontario
FORECAST FOR SURVIVAL Gr. App. 10 to 12 (F)	Science Social St.	The problems, caused and long term effects of oil spills are explored in this film. One topic is the use of the electronic computer by Environment Canada for predicting the movement of oil slicks. (18 minutes)	National Film Board Montreal, Quebec
FUNCTION OF BEAUTY IN NATURE Gr. App. 4 to 7 (F)	Science Art Music	Nature's art is the focus of this film. The viewer is introduced to the architectural wonder of the spider's web, the beauty and significance of the colour spots on fish, and the striking sounds of various bird calls.	National Geographic Society Mississauga, Ontario
FUTURE SHOCK Gr. App. 10 to 12 (F)	Social St. Science Indust. Ed. Lang. Arts	Based on Toffer's book, this film is about today, not tomorrow. Host Orson Welles dramatically explores our pre-cooked, pre-packaged, plastic wrapped, instance society in terms of the social implications of scientific and technological advances. It exposes the effects of change out of control and hits at the need to control high-speed change. No solutions are offered, only questions raised. (42 min.)	McGraw-Hill Films Scarborough, Ontario

G

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
GARBAGE MOVIE (THE) (A CLASS PROJECT) Gr. App. 6 to 10 (F)	Science Social St. Environ. St	A group of students set out on a school research project to find out about garbage. Their investigations take them into homes and restaurants and to garbage dumps and sewage treatment plants. The film illustrates how a research project can be carried out and it serves as a model for exploring other community topics.	National Film Board of Canada Montreal, P.Q.
GOD CREATED THE GREAT WHALE (AND) Gr. App. 7 to 12 (F)	Science	The Killer Whale is the subject of this film. The physiology of the creature, its eating habits, its vision and its communication skills are all examined. Much of the program follows scientists examining the whale in an aquarium.	National Film Board of Canada Montreal, Quebec

H

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
HARNESS THE WIND Gr. App. 7 to 12 (F)	Science Social St. Indust. Ed.	This finely detailed animated film documents Mans' attempts through the centuries to control and utilize wind energy and illustrates the future potential of wind power and technology.	National Film Board of Canada Montreal, P.Q.
HOW BIRDS HELP US Gr. App. 1 to 6 (F)	Science	Prepared for an audience of elementary level children this film is very useful. It discusses the many ways in which birds are beneficial in their interactions with humans in the environment.	School Services of Canada Toronto, Ontario
HUTTERITES Gr. App. 3 to 9 (F)	Social St.	This 13 minute colour film is narrated by a young Hutterite woman who teaches school at her own colony in Manitoba. It explains who Hutterites are and shows many aspects of daily life in the colony. Throughout, the narrator stresses the living together in a caring and cooperating manner.	Bortnick Film Productions Winnipeg, Manitoba

I

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
I KNOW A POND Gr. App. 4 to 6 (F)	Science	Suitable commentary and clear visuals assist the viewer in understanding the interdependence of creatures in the pond. habitat. The specialized skills and adaptations of certain life forms are also illustrated.	Marvin Melnyk Associates Ltd. Queenston, Ontario or Cymar Films, Alberta
INDIAN FAMILY OF LONG AGO Gr. App. 3 to 6 (F)	Social St.	This is a very fine instructional film for elementary grades studying the life of the plains Indians before the arrival of white settlers. Although it deals with a Sioux family, it is highly applicable to the Blackfoot Culture.	Bortnick Films Winnipeg, Manitoba
INTRODUCING ECOLOGY: DEPENDENCE AND SHARING Gr. App. 4 to 9 (F)	Science	The film explains how plants and animals share their environment in a variety of ways. It shows how plants provide animals food and shelter while animals help to spread the seeds of plants. This is a good introduction to the discussion of interdependence.	School Services of Canada Toronto, Ontario

INTRODUCING INSECTS: BUTTERFLIES, BEETLES AND BUGS Gr. App. 5 to 9 (F)	Science	This is a very good teaching film, especially for basic classification of insects. It explains basic body structure and how insects are grouped into orders. It covers orders of grasshoppers, beetles, bugs, butterflies, bees and flies. (Colour 18 minutes)	National Film Board Montreal, P.Q.

L

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
LADY AND THE OWL (THE) Gr. App. 7 to 12 (F)	Science	This film portrays a true situation of two dedicated nature lovers and conservationists. The McKeevers care for and rehabilitate injured owls in the sanctuary they have established in their home grounds. When restored to normal life, the owls are again set free.	McIntyre Educational Media Ltd. Rexdale, Ontario
LET NO MAN REGRET Gr. App. 4 to 10 (F)	Social St.	What begins as a quiet backpacking experience becomes a dangerous attack on the wilderness. The film shows the damage careless people can do. (Colour 12 minutes)	Omega Films Limited Scarborough, Ontario
LITTLE MONSTER (THE) Gr. App. 4 to 6 (F)	Science Social St.	This 17-minute action-oriented film features several children and what each did to improve his or her environment. It contains many positive ideas for individual and group environmental action.	prepared by: Outdoors Unlittered # 1 - 9930 - 106 Street Edmonton, Alberta
LOOK BEFORE YOU EAT Gr. App. 7 to 12 (F)	Science Social St. Health Indust. Ed.	This film offers a practical look at our eating habits and their relationship to our health. The roles of the food industry, fast foods and vending machines are examined.	National Film Board of Canada Montreal, P.Q.
LORAX (THE) Gr. App. 2 to 6 (F)	Science Lang. Arts Social St.	The Lorax, who speaks for nature's voiceless, tries to prevent the ecological destruction of the land of the Truffula Trees as the irresponsible Once-ler sets up his pollution factory. This 25-minute film highlights environmental issues in the Dr. Seuss style.	Holt, Rinehart and Winston Inc. Toronto, Ontario

M

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
MAN THE POLLUTOR Gr. App. 7 to 12 (F)	Science Social St.	The thesis of this satirical film is based on the folly of Man. Humans persistantly pollute the environment around them while telling themselves that everything will come out all right. (52 minutes)	National Film Board of Canada Montreal, Quebec
MAN WHO DIGS FOR FISH (THE) Gr. App. 3 to 12 (F)	Science	This film tells the story of Frank Jenkinson, a man who does not merely talk about conservation but overtly acts. For some twenty-five years he has rescued newely hatched salmon from the gravel bed of the stream near his home. He is proof that the actions of one person can make a difference.	National Film Board of Canada Montreal, P.Q.
MARSH BLACKBIRDS Gr. App. 4 to 8 (F)	Science	This Manitoba film focuses on the activities of the red-wing and yellow-head marsh blackbirds. The viewer learns how they work, build homes, court their mates and raise their young. (25 minutes)	Manitoba Department of Renewable Resources and Transportation

MOUNTAIN HABITAT SERIES Gr. App. 4 to 12 (F)	Science Lang. Arts Social St.	Karvonen's latest film series is a set of five different titles - HIGH COUNTRY; TIMBERLINE; GLACIER COUNTRY; RIVERS OF THE ROCKIES; and, MOUNTAIN FORESTS. A teacher's guide is provided and there is good curriculum articulation.	by Albert Karvonen Karvonen Films Ltd. Sherwood Park, Alberta
MOUNTAIN LIFE ZONES Gr. App. 4 to 8 (F)	Science	This film is the study of the ecology of four life zones of the central Rocky Mountains. The flora and fauna are examined closely. (21 minutes)	Educational Film Distributors
MY FRIEND ROBIN Gr. App. 1 to 3 (F)	Science Lang. Arts	A young boy befriends a young robin that has fallen out of it's nest. The film outlines the development of the nest building, the hatching, and the hatchling's life until finally the bird learns to fly. Colour eight minutes)	Magic Lantern Distributors Oakville, Ontario

N

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
NIAGARA FOR SALE Gr. App. 10 to 12 (F)	Social St. Science	The fate of the so-called "Golden Triangle" has been of concern to scientists, environmentalists and agriculturalists for a number of years. Urban development persistently threatens productive farm land. The film records the points of view of different interest groups. (50 minutes)	National Film Board of Canada Montreal, Quebec
NO ACT OF GOD Gr. App. 10 to 12 (F)	Science Social St.	This film discusses the alarming proliferation of reactors, the increasing possibility of human or mechanical error and the lack of knowledge and adequate impartial research. The contention is that these and other factors could lead to the horror of a nuclear accident.	National Film Board of Canada Montreal, P.Q.
NUCLEAR FUEL WASTE RESEARCH: THE CANADIAN PROGRAM Gr. App. 6 to 12 (F)	Science Social St.	The questions of nuclear waste and its safe disposal are discussed by Canadian scientists and experts in the field of nuclear energy. The film shows how radioactive waste is currently handled in Canada.	National Film Board of Canada Montreal, P.Q.

O

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
OTHER SIDE OF THE LEDGER: AN INDIAN VIEW OF THE HUDSON'S BAY COMPANY (THE) Gr. App. 7 to 12 (F)	Social St.	The history of the Hudson's Bay Company and of the early Canadian fur trade is finally told from the perspective of the Canadian Indian. Drawing from a rich collection of early sketches, paintings, drawings and photographs, the film outlines the devastating effect which the fur trade and the arrival of the Europeans had upon the Indian's culture.	McIntyre Educational Media Ltd. Rexdale, Ontario
OTHER WAY Gr. App. 7 to 12 (F)	Social St. Indust. Ed.	This film discusses dwindling fuel supplies, the problems of modern technology and the loss of human dignity in the 20th century. The consumer ethic has led to the use of too much energy. An economist describes the need for smaller, more efficient machines and products. (56 minutes)	Marlin Motion Pictures Mississauga, Ontario

HOUSE OF MAN: OUR CROWDED ENVIRONMENT Gr. App. 7 to 12 (F)	Science	This film shows the problems that have resulted from the population explosion of the 20th Century. It offers a challenge to viewers to save their own future by using resources and technological discoveries for effective solutions.	Bouchard et Associes Montreal, Quebec
OUTDOOR COOKING IN WINTER Gr. App. 7 to 10 (F)	Phys. Ed.	Outdoor cooking and firelighting are the main topics covered in this film. The skills are shown quite well. (Eleven minutes)	International Tele-Film Enterprises Ltd. Toronto, Ontario
OUTWARD BOUND Gr. App. 9 to 12 (F)	Social St. Phys. Ed.	Older boys from the city learn about outdoor survival skills. Through conquering the unknown and accomplishing what they thought was impossible the boys gain a new awareness of themselves, their surroundings and of others. The main theme is conquering understandable stress. (Colour 28 minutes)	Magic Lantern Distributors Oakville, Ontario
OWL AND THE LEMMING (THE) Gr. App. 1 to 4 (F)	Social St. Lang.Arts	This beautifully presented Inuit legend may be used as an illustration of how the culture of a primitive people differs from that found in more modern societies. The film's characters are models made of seal skin in the Inuit tradition and the theme of the owl capturing the lemming has a tasteful appeal for young children. (6 minutes - colour)	National Film Board of Canada Montreal, P.Q.

P

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
PADDLE OUT OF PERIL Gr. App. 7 to 10 (F)	Phys. Ed.	Reducing loss of life due to canoeing accidents is the goal of this film. It covers the skills required to survive the dangers inherent in wind, waves and wild white water. There are good sections on weirs and coping with hypothermia. Some techniques demonstrated are quite questionable for Alberta conditions, but overall it is an important film.	Dan Gibson Productions Toronto, Ontario
PADDLE AND PORTAGE Gr. App. 7 to 10 (F)	Phys. Ed.	This lovely canoeing film is a definitive instructional film which is also aesthetically appealing. It teaches solo and doubles techniques, rescues, and other standard technuqies. It is an important teaching aid.	Dan Gibson Productions Toronto, Ontario
PARADISE LOST (musical accompaniment) Gr. App. 4 to 9 (F)	Social St. Lang. Arts	This animated film deals with Man's invasion of nature, very dramatically. This might be used as an interesting introduction to a conservation unit. (Colour)	National Film Board of Canada Montreal, P.Q.
PATH OF THE PADDLE Gr. App. 6 to 12 (F)	Phys. Ed.	To teach the art of paddling in varied conditions found in wilderness travel is the purpose of this film. The four titles are Solo Basic, Solo Whitewater, Doubles Basic and Doubles Whitewater. An instruction manual is also available.	National Film Board of Canada Montreal, Quebec
PETROLEUM'S PROGRESS Gr. App. 7 to 12 (F)	Social St. Science Home Ec. Lang. Arts Art Indust. Ed.	This fast-paced montage of advertising images demonstrates our growing dependency on oil - not only on fuel, but on the thousands of petroleum by-products that are an integral part of our every day lives. In order to be sure of a continuous supply of such materials conservation and common sense must prevail.	National Film Board of Canada Montreal, P.Q.

POLAR BEAR ALERT Gr. App. 7 to 12 (F)	Social St.	This film focuses on Churchill, Manitoba, a town built on the migratory path of polar bears. Each fall, the bears pass through the town where they are studied by scientists but repeatedly resist attempts, by Man, to change their migratory habits.	National Geographic Society Mississauga, Ontario
PRAIRIE SPRING Gr. App. 7 to 12 (F)	Science	Various animal habits are studied. Survival is the key issue. A squirrel is brought, artifically, from a hibernating state to an alert state. (Colour 28 minutes)	Marvin Melnyk Associates Ltd. Queenston, Ontario or Cymar Films, Alberta
PREDATORS (THE) Gr. App. 4 to 9 (F)	Science	The predator is an essential part of the complexity of relationships that make up the balance of nature. This film accurately and excitingly describes the lives and roles of predators. (50 minutes)	Kinetic Film Enterprises Ltd. Toronto, Ontario
PREDATORS OF NORTH AMERICA Gr. App. 4 to 9 (F)	Science	This twelve minute film is not specific but does include information on predators in this area. It is valuable in showing predators in a sympathetic and intelligent light and as a very necessary part of a wildlife community.	National Geographic Society Mississauga, Ontario

R

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
RECYCLING Gr. App. 7 to 12 (F)	Science Social St. Indust. Ed.	This film shows existing techniques for recovering materials from solid waste. Newly developed equipment and systems may make recycling a universal practice in the near future.	Internation Tele-Film Ltd. Toronto, Ontario
RETHINKING TOMORROW Gr. App. 10 to 12 (F)	Social St. Science Indust. Ed.	The film contrasts the old image of the future, based on abundant energy, with a new image of the future that must be based on efficient use of energy. (Colour 28 minutes)	Department of Energy Film Library Oak Ridge, Tennessee
RIVER WITH A PROBLEM Gr. App. 7 to 12 (F)	Social St. Science	This older film deals with the Ottawa River. The history, uses and sources of pollution are addressed. Politicians talk about laws and controls while industrialists present their contrasting viewpoints. (Colour 28 minutes)	National Film Board Montreal, P.Q.

S

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
SCARLET AND GOLD Gr. App. 5 to 9 (F)	Social St.	This twenty minute film deals with the early history of the North West Mounted Police and the establishment and settlement of Fort Macleod. Filmed at the restored fort (museum) in Macleod, it also includes tales of Jerry Potts and Chief Crowfoot.	Magic Lantern Film Distributors Oakville, Ontario
SCIENCE FOR THE FARMER Gr. App. 8 to 12 (F)	Science	This twenty-eight minute film about Canada's Agricultural Research Stations would be very good pre-trip study material for a visit to any of the stations. It shows research in the areas of plant and livestock breeding, soil studies, livestock foods and insect control methods.	National Film Board Montreal, P.Q.

SKINNY SKIING Gr. App. 4 to 12 (F)	Phys. Ed.	While not an instructional "how to" film it introduces the sport of Cross-Country Skiing in a delightful fashion. Included is some history, technique beautiful scenery and some excellent shots of deep snow skiing.	Kinetic Film Enterprises Ltd. Toronto, Ontario
SMALL ANIMALS Walt Disney's "Vanishing Prairie" Series Gr. App. 1 to 6 (F)	Science	Although not specific to Southern Alberta, this fifteen nimute film does present many of the small mammals common to this area. Children will enjoy many unique shots of badgers, cottontail rabbits, porcupines, etc.	Walt Disney Production McIntyre Educational Media Ltd., Rexdale, Ontario
SMALL IS BEAUTIFUL: IMPRESSIONS OF FRITZ SCHUMACHER Gr. App. 10 to 12 (F)	Economics Social St. Technology	The late economist and well known author, Fritz Schumacher, predicted the energy crisis eighteen years before it happened. In this film, Schumacher talks about the urgent need for "appropriate technologies" in our society today.	National Film Board Montreal, P.Q.
SNOWY DAY (THE) Gr. App. 1 to 3 (F)	Lang. Arts	A young boy wakes up to find the world is full of snow. He plays with it and tries to keep some in his pocket. The film remains true to the beautiful expressive illustrations in the book upon which it is based.	Story by Ezra Jack Keats Weston Woods Studios Canada Ltd., Weston, Ontario
SOLAR FRONTIER Gr. App. 10 to 12 (F)	Social St. Science Indust. Ed.	Three architects and residents discuss the cost, performances and technology of three houses in the Canadian snowbelt which are heated by solar energy. (25 minutes)	Millenco Films per Canadian Film Makers Distributors Toronto, Ontario
SONG OF THE PADDLE Gr. App. 7 to 12 (F)	Phys. Ed.	Outdoorsman Bill Mason takes his wife and two children on a wilderness canoe camping holiday. Together with the technical expertise of canoeing, a wonderful family experience is presented. It includes some excellent scenery footage.	National Film Board Montreal, P.Q.
S.P.L.A.S.H. Gr. App. 4 to 9 (F)	Science Lang. Arts Social St.	This fast moving animated film features a drop of water called 'The Chief' and his army of Droplets who make their way through a natural watershed. Encountering all kinds of man-made obstacles and pollutants along the route, they clearly demonstrate the importance of Mankind's clean water.	National Film Board of Canada Montreal, P.Q.
SPACE AGE (THE) - SPACE DISC 3 Gr. App. 7 to 12 (VD)	Science	Side A of this laser disc chronicles the history of spaceflight including the Gemini, Apollo, Skylab, Apollo - Soyuz and Shuttle missions. Side B discusses many of the technological applications which have come about from the space program.	Center for Aerospace Education Drew University, Madison, New Jersey
SUN, WIND AND WOOD Gr. App. 6 to 12 (F)	Science Social St. Indust. Ed. Home Ec.	There are people who are fighting the high cost of energy by devising ingenious ways to use sun, wind and wood. This film illustrates the nature of these experiments.	National Film Board of Canada Montreal, P.Q.
SUN'S ENERGY (THE) Gr. App. 7 to 9 (F)	Social St.	Using line action and animation, this well produced film shows how the sun is the source of all energy including that from wind, water and electricity. The latter half of the film shows Man's recent attempts at using the sun's radiant energy as an alternative to fossil fuels.	Oxford Films per Spectrex Limited Montreal, P.Q.

SURVIVAL IN THE BUSH Gr. App. 7 to 12 (F)	Phys. Ed.	Although made in 1954 and presented in black and white, this film still has much to offer. An Indian guide and a NFB producer allow themselves to be stranded in the bush with only an axe. They eat off the land and make their own way out in a birch bark canoe.	National Film Board Montreal, P.Q.

T

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
THEY'RE BOOMIN AGAIN Gr. App. 4 to 9 (F)	Social St. Science Indust. Ed.	Produced by Cardinal River Mines, the film shows the Luscar open pit mine in operation as well as the processing plants. While clearly designed to demonstrate good environmental practices such as preserving clean air, recycling water and back filling and restoring pit areas, the viewer is not shown the whole story. The mining process is shown in a useful way.	Century Motion Pictures Calgary, Alberta
THIS IS AN EMERGENCY Gr. App. 3 to 12 (F)	Social St. Science Home Ec. Indust. Ed.	This is a lively look at a serious issue: the energy crisis in Canada. The film employs a variety of techniques such as slapstick comedy, animation and interviews, to emphasize the need for conservation. David Suzuki discusses how our government is encouraging industry to become more energy-efficient.	National Film Board of Canada Montreal, P.Q.
THREE RIVERS Gr. App. 6 to 12 (F)	Social St. Science	An excellent twenty-six munute film examines the conflict and issues arising from the proposed building of the "Three Rivers" dam on the Oldman River. It sensitively portrays both sides of the conflict.	McIntyre Educational Media Ltd., Rexdale, Ontario
TIME OF MAN (THE) Gr. App. 7 to 12 (F)	Science Social St.	The film presents case studies of animal populations and primitive human cultures which survived or perished according to their environment. It warns that a crisis of Man's own making may limit his stay on earth. (50 minutes)	Holt Rinehart and Winston Toronto, Ontario
TOMORROW IS TOO LATE Gr. App. 7 to 12 (F)	Social St. Science	The plight of the Canadian fisherman is outlined in this film. The fact that there has been a general decline in fish stocks has led to important management strategies such as quota protection, licensing and the seeding and stocking of fishing areas. (Colour 28 minutes)	National Film Board Montreal, P.Q.
TREE (THE) Gr. App. 5 to 9 (F)	Science	This film gives students a close-up look at an ecosystem - a large oak tree and the community of interdependent animals and insects living in and around it. Time-lapse photography and photomicrography reveal the growth and development of the tree and its inhabitants throughout the seasons and cutaway drawings help to explain photosynthesis.	McIntyre Educational Media Ltd., Rexdale, Ontario
35 mm PHOTOGRAPHY Gr. App. 7 to 12 (VD)	Science Indust. Ed	A consolidation of the fundamentals of 35 mm photography are highlighted in this program. David Bradley expounds on ten segments of 35 mm photography - what each contains and how they fit into the overall "picture"'. Powerful visuals are used as examples of the artistic creation that can be achieved through photography.	by David Bradley Ultra Video, Atlantic City, New Jersey

U

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
ULTIMATE FOREST Gr. App. 4 to 9 (F)	Social St. Science	Excellent photography of the forest industry in Alberta presents the pros and cons of a pulp and paper mill near Hinton. It illustrates environmental controls and ecological concerns. Ideal for discussion, it presents the view of a productive forest co-existing with Man. (Colour 35 minutes)	Alberta Resources Film Presented by Alberta Environment

V

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
VOYAGER ENCOUNTERS (THE) - SPACE DISC 1 Gr. App. 7 to 12 (VD)	Science	The two sides of this laser disc gives an extremely comprehensive coverage of the Voyager space probes to Jupiter and Saturn.	Center for Aerospace Education Drew University, Madison, New Jersey

W

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
WATER - A PRECIOUS RESOURCE Gr. App. 5 to 12 (F)	Social St. Science	This film discusses the sources and forms of water and its effect upon the land. Using live action and animation, it describes the hydrologic cycle. The film concludes on a positive note by showing how a polluted river like the Potomac can be reclaimed.	National Geographic Society Mississauga, Ontario
WAY IT WAS (THE) Gr. App. 5 to 10 (F)	Social St. Agriculture	The Alberta Wheat Pool has prepared the GRAIN MAKER film series. This film offers a reenactment of pioneer farming in Southern Alberta. The viewer sees horse-drawn ploughs and binders, threshing crews, ten-horse teams and more of the old style methods. (Thirteen minutes)	The Grain-Makers Series Alberta Wheat Pool
WIND - AN ENERGY ALTERNATIVE Gr. App. 10 to 12 (F)	Science Social St. Indust. Ed.	Wind has been used for centuries to help humans do their work. With the awareness of the scarcity of energy, particularly that provided by fossil fuels, wind is once again being seriously considered as an energy source.	Department of Energy Film Library Oak Ridge, Tennessee
WINTER SURVIVAL Gr. App. 5 to 10 (F)	Phys. Ed.	The prime topic of this fifteen-minute colour film is hypothermia - its cause, symptoms and treatment. It is especially good in showing the necessity for cross-country skiers and snowmobilers to be well dressed and well prepared for cold weather.	McIntyre Educational Media Ltd. Rexdale, Ontario
WONDERFUL BIRD WAS THE PELICAN (A) Gr. App. 4 to 11 (F)	Science	This film elaborates on the pelicans facing extinction because of the lack of breeding success on the Anacapa Islands off the coast of California. It demonstrates the effects of D.D.T. and other pesticides on the balance of nature. It implies, too, that Man, himself, is a part of that vital balance and is also a candidate for extinction.	by North American Films Incorporated Available from Educational Media Division University of Alberta

Y

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
YEAR AT THE SPRING Gr. App. 5 to 10 (F)	Science Art Music	This award-winning film is ranked as one of the finest produced by Cy Hampson. The exceptional sound track is unique in that there is no narration.	Marvin Melnyk Associates Ltd. Queenston, Ontario or Cymar Films, Alberta
YOU BET YOUR LIFE Gr. App. 5 to 10 (F)	Phys. Ed.	This is a highly recommended fifteen-minute colour film on winter survival. It shows proper clothing and survival kit for winter outings, especially cross-country skiing, as well as fire lighting and emergency shelter building.	Colter Wildlife Productions Winnipeg, Manitoba

Records

This is the third section of NON-PRINT RESOURCES. It consists of records and audio-cassettes. The code-keys used are:

(RC) = Record (AC) = Audio-Cassette

The use of the non-visuals in environmental education is quite rare. The contributors were of the opinion that sound could be used in at least three ways. Sounds from the environment like birdcalls, street noises and the like can be played for the listener. Certain musical selections can provide information (protest songs or songs of tradition) or may simply be used to establish a mood.

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
ANTHOLOGY OF OVER 200 AMERICAN BIRD SONGS (AN) Gr. App. 7 to 12 (RC)	Science Library	This three record set was recorded in the field. Descriptions of each species and identification information are included in a brochure included with each record. Some narration by renowned ornithologist, Dr. A.A. Allen, is included.	Record M 54319 Murray Hill Records
APPALACHIAN SPRING Gr. App. 4 to 12 (RC)	Music Social St. Library	Aaron Copeland has depicted a certain North American ambience in the shorter pieces of music recorded on this album. The melodies are designed to create visual images of spring.	Aaron Copeland - composer London Symphony Orchestra Appalachian Spring Columbia M 30649
BARRY AND LYNN LUFT AND FRIENDS - HOUSE CONCERT Gr. App. 4 to 12 (BL)(RC)	Music Social St. Library	This locally made LP record contains many folk songs of social comment related to folk heroes of the prairies in general and Alberta in particular. The lyrics are included and contain words to songs such as "Jerry Potts"; "Roseville Fair"; "Hobos Song to the Mounties"; and, "The Calgary Round Up".	by Lynn and Barry Luft Best Cellar Records DW.M 3319 (1981) Calgary, Alberta
BIG HEWER (THE) Gr. App. 4 to 12 (RC)	Music Social St. Lang. Arts Library	The image of the miner, in this instance the coal miner, is told in word and song. The poverty experienced by those on strike, the harshness of the world underground and the impact of modern technology are chronologically and poignantly told in this one-hour-long radio-ballad rendered in the folk idiom.	by Ewan MacCole and Peggy Seeger Decca D.A. 1 Leo - mono Decca Record Company AFGO Div. London, England
BILLY THE KID AND RODEO Gr. App. 4 to 12 (RC)	Music Social St.	Aaron Copeland has depicted one of the unique elements of North American history, vigorous western life, in this album of splendid music. Such a record might be used during a study-unit on Rodeo.	by Aaron Copeland - composer London Symphony Orchestra Billy the Kid and Rodeo Columbia M 30114
BRITISH COLUMBIA SUITE Gr. App. 4 to 12 (RC)	Music Science Social St. Art Lang. Arts Library	Some of the moods interwoven in "Vancouver Nights" move the listener through the kaleidoscope of that city. The majesty of Mt. Garibaldi is expressed musically with the might of a full orchestra. The vibrance and urgency of a province "moving ahead" is expressed in modern melodic phrases.	composed by Nelson Riddle Capilano Records CAPS 701
BUTTERCUP (musical accompanyment) Gr. App. 4 to 11 (RC)(F)	Social St. Lang. Arts Art	This is a vivid portrayal of the journey of a buttercup down a fresh mountain stream. The gentle stream turns into a foaming, foul sewer which engulfs the flower. It is a good introduction to pollution. This mix of music and film could be used also as an introduction to an art form.	Churchill Films Gordon Watt Films Inc. Agincourt, Ontario

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
CANADA'S FAVORITE FOLK-SONGS FOR KIDS Gr. App. 1 to 6 (R)	Music Social St. French Library	The history of Canada is related in folksongs such as The Klondike Gold Rush, The Little Old Sod Shanty, Donkey Riding and others. Many of the songs are in French.	various artists Berandol Ber 9031 Berandol Music Ltd. Toronto, Ontario
CANADIAN FOLK SONGS Gr. App. 1 to 12 (R)	Music Social St. French Library	This collection of Canadian Folk Songs includes at least four volumes related to Environmental Education. Songs are in both French and English. Volume II: legendary ballads and historical songs - Volume VII: songs and ballads of the lumber camps - Volume VIII: miscellaneous work songs - Volume IX: sociable and social songs.	various artists CS - 100 RCA Victor Company Don Mills, Ontario
CAMERA AND THE SONG (THE) Gr. App. 7 to 12 (R)	Music Social St. Library	The songs on this album attempt to relate music and song to give impressionistic images of documentary subjects and come from the BBC-2 television program of the same name. Songs include Mountain Climber, Boat Song and Country Bus.	various artists BELP 006 Stereo distributed by Polydor Ltd. cassette RMC 4034 carriage RCT 8015
ENVIRONMENTS Gr. App. 2 to 12 (R)	Fine Arts Lang. Arts Science	This record could be useful for setting a mood for drama and language arts activities. It may be played at different speeds for various effects. Side 1 is Ocean Sounds and side 2 is Bird Sounds.	Syntonic Research Inc. Atlantic Recording Corp.
GRAND CANYON SUITE Gr. App. 4 to 12 (R)	Music Science Lang. Arts Art Library	This album captures five musical impressions of one of the most majestic and colourful phenomenons of nature. The tone-quality of the instruments and voices reflect the colour, vastness and awesomeness of this spectacle. (20 minutes)	Martin Gould and his Orchestra RCA Victor (SC-243) (other recordings are available)
NATURE SOUNDS FROM MONTY BRIGHAM Gr. App. All Grades (AC)(R)	Science Art Outdoor Ed.	a) Algonquin Provincial Park b) Songs of the Seasons c) Pelu Spring Although these records are not from the prairies or mountains many of the same birds and animals are heard here. The record jackets give the names of the creatures being heard.	Canadian Nature Federation Toronto, Ontario
114 GENUINE SOUND EFFECTS Gr. App. 1 to 12 (R)	Science Lang. Arts Library	Environmental sounds include a racing car, thunder, beehive, angry bees, crickets, wood sounds at night, jet taking off, rapids in mountain streams, radio code signals, etc., etc.	Stereo 930625 1 Park Avenue N.Y., N.Y. 10016
PLANETS (THE) Gr. App. 3 to 12 (R)	Music Art Lang. Arts Library	Originally this suite was composed to depict and reflect the features of the planets. Something of the mystery and mystique surrounding them - stories and myths and astrological interpretations - may also be detected.	composed by Gustav Holst Boston Symphony Orchestra Deutsche Grammophen 2530 102 (other recordings are available)
PRAIRIE SPRING Gr. App. 3 to 12 (R)	Science Music	This is a fine recording of the coming of Spring, bringing back the sounds from the lakes, marshes, sloughs, canyons and river valleys. From the pastures and grasslands of the prairies to the rising highlands the natural sounds of weather and animals are captured.	Federation of Ontario Naturalists Don Mills, Ontario
SOLITUDES - ENVIRONMENTAL SOUND EXPERIENCES Gr App. 3 to 12 (AC)(R)	Science Art Music	This six-record set offers a sound experience reflecting the spectrum of the environment. Sample titles include: Dawn By a Gentle Stream; The Sound of the Surf; Among the Giant Trees of the Wild Pacific Coast; Niagara Falls; Dawn on the Desert; Among the Mountain Canyons and Valleys; and, Storm on a Wilderness Lake.	Canadian Nature Federation Toronto, Ontario

Games & Maps

This is the fourth section of NON-PRINT RESOURCES. It consists of maps, photosets, transparencies, exhibits, games and computer courseware. The code-keys used are:

(PS) = Photoset (C) = Map (T) = Transparency (G) = Game
(EX) = Exhibition (CC) = Computer Courseware

Although relatively few of these types of resources are available this list may serve to introduce an even greater variety in the materials which can be used in environmental education.

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
AERIAL PHOTO STUDIES Gr. App. 5 to 12 (PS)	Social St. Science Phys. Ed. Outdoor Ed.	This is a kit consisting of a set of aerial photos and a series of activities that can be done with them. Included is information on how to obtain specific photos of your area.	Environmental Fact Finders Communications Branch Department of Environment Government of Alberta
ALBERTA FOREST SERVICE MAPS Gr. App. 5 to 12 (C)	Social St. Phys. Ed. Science	The Alberta Forest Service has available maps covering the province. These are up-to-date and available in different scales and coverages. Prices are extremely reasonable.	Contact Alberta Forest Service in your area.
CONSERVATION TRANSPARENCIES Gr. App. 4 to 6 (T)	Science Social St.	Resources, forest fires, pollution, soil depletion, erosion and flooding are each examined on a transparency which is accompanied by two overlays to illustrate Man's influence on these through use and misuse of his natural resources. (Six transparencies)	Scholar's Choice Stratford, Ontario
DRIVE THROUGH TIME (A) Gr. App. 4 to 9 (BL)(AC)	Science	This is an audio-visual offering made up of a booklet of pictures, illustrations and maps with a recorded narrative. The two programs, "Drumheller Ecotour - Dinosaur Trail" and "East Coulee Drive" give the geologic and social history of the region.	Available from - Big Countr Tourist Association. Drumheller, Alberta
DYNAVIEW EARTH SCIENCE: SERIES Gr. App. 6 to 8 (T)	Science	This is a very fine resource for teaching earth sciences. The kit contains 70 transparencies and spirit masters on topics such as glaciation, bedrock, faults, drainage, and volcanoes. Each transparency has a full page teaching guide of information on the concept being presented.	from Lethbridge Community College Resource Centre
ECOLOGY - SCIENCE BINGO Gr. App. 4 to 7 (G)	Lang. Arts Science	This game is to help develop certain concepts: - a balance of nature exists that Man should protect; - plants and animals are affected by changes in the environment; and, - the environment is being threatened by pollution.	Ideal Toys
FLORA AND FAUNA OF ALBERTA Gr. App. All Grades (PS)	Science Art	Under the auspices of Alberta Education, two sets of posters were prepared. One set deals with Alberta plants and the other with Alberta animals. Physical descriptions, range and habitats are discussed and a variety of study activities are suggested.	by Karvonen Films Ltd. per Alberta Education

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
INSTINCTS FOR SURVIVAL: THE SURVIVAL GAME Gr. App. 5 to 8 (G)	Science Biology	This is a wide game to be played with 12-20 children that graphically depicts the food chain in the natural world. Easy instructions for rules and game construction are provided.	by Ron Sweet Elementary Outdoor School Calgary Board of Education
IRRIGATION IN SOUTHERN ALBERTA Gr. App. 4 to 8 (PS)	Social St. Science	There is a travelling exhibit of twelve photo panels (24" x 32") illustrating the agricultural activity in early days. Suitable for the "Alberta's Past" unit in the grade 4 Social Studies curriculum the pictures can both teach and decorate.	Travel Exhibits Galt Museum Lethbridge, Alberta
"KAZAM": AN ELECTRICAL ENERGY CONSERVATION GAME Gr. App. 5 to 9 (G)	Social St. Science Indust. Ed.	This "Snakes and Ladders" game can provide the basic information and attitudes needed to understand electrical energy conservation.	Energy in Society Ontario Ministry of Education
MACDONALD'S ECOLOGY AND ENERGY ACTION PACK Gr. App. 1 to 4 (T)(PS)	Science Social St.	This kit consists of 16 duplicating masters, one transparency, and a teacher's guide. In a simple, yet effective way, it introduces students to the concepts of food chains, energy efficiency, recycling of paper and precious metals, water conservation, and water pollution. This is not an advertizing activity.	by McDonald's Corporation Can-Ed. Media Ltd. Toronto, Ontario
NATURE'S HIDDEN COLORS Gr. App. 4 to 8 (EX)	Art Science	A fascinating variety of plants and recipes have been used to produce natural dyes for cotton, linen and wool. Teachers must arrange the show from the exhibit. A sample recipe book is included and the show is packaged for easy transportation by car.	Travelling Exhibit Galt Museum Lethbridge, Alberta
ODELL LAKE Gr. App. 6 to 9 (G)(CC)	Science	This is one of five programs on an MECC disc for the Apple II. It is a simulation game that aids in the understanding of food chains through observing relationships in the lake. The program is simple and enjoyable to use.	Disc Title Science 3 MECC St. Paul, Minnesota
PHOTO ALBUM OF COALBANKS (THE) Gr. App. 4 to 5 (PS)	Social St. Art	These are twelve photo panels (24" x 32") illustrating early settlement in the Oldman rivervalley before 1890. Easels are provided for display of these "flashes of the past" in the classrooms.	Travel Exhibits Galt Museum Lethbridge, Alberta
ROMANCE OF THE LAND (THE) Gr. App. 3 to 6 (EX)	Social St. Art	South Alberta schools may borrow a colorful collection of 25 paintings and related notes by Irene McCaugherty about the early days in Southern Alberta. Each painting is a 2' x 4' panel and a booklet accompanies the collection.	Travelling Exhibit Galt Museum Lethbridge, Alberta
URSA Gr. App. 6 to 9 (CC)	Science Math	This is one of the Apple II series. Ursa presents some of the circumpolar constellations. It shows both their shape and simulates their hourly movement. One rather interesting section of the program is telling time by the stars.	Disc Title Science 3 MECC St. Paul, Minnesota
WILDLIFE ALERT! THE STRUGGLE TO SURVIVE Gr. App. 3 to 8 (G)	Science Lang. Arts Ar.	The duplicating masters of games, puzzles, and activities introduce students to the main problems wild animals face today - loss of habitat exploitation, pollution and poisoning. Activities for gifted and talented are included.	National Geographic Society Mississauga, Ontario

WOODS WIZARD (THE) Gr. App. 3 to 7 (G)	Outdoor Ed. Science	Here is a game much like snakes and ladders plus "20 questions" to be used as a lead-up to going into the out-of-doors. It provides the opportunity to learn some basic facts of nature.	by Ron Sweet Elementary Outdoor School Calgary Board of Education
YOUR WAY WITH MAPS AND COMPASS Gr. App. 4 to 9 (C)(PS)	Social St. Phys. Ed.	A generalized map, plastic overlays, a mock compass and a student workbook comprise this easily presented program of Orienteering. Disley keeps the presentation sequential and simple.	by John Disley Canadian Orienteering Service 1973

Kits

The term "KIT" is usually applied to a "set of tools" and, in a way, that is a suitable way of defining this section.

A KIT includes a variety of items, all of which are designed to be used in connection with the teaching of some concept or in connection with some activity. The OBIS KIT, for example, focuses on the concept of ecology and uses a combination of booklets, charts, cards and folders to emphasize certain facts or ideas or aid in instruction about them.

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
ANNUAL CLASSROOM CALENDAR - ENERGY Gr. App. 2 to 9 (K)	Science Social St. Indust. Ed.	Jammed with hundreds of facts about energy and conservation, this poster-sized calendar contains learning activities, quotations, project suggestions, and important events along with energy information.	Energy and Man's Environment. Beaverton, Oregon
CONSERVATION OF OUR ENVIRONMENT Gr. App. 1 to 8 (K)	Science Social St.	This kit is made up of 12 filmstrips and cassette tapes, 10 study prints, a games board and a teacher's guide. It examines the causes and effects of environmental pollution and reveals common sense approaches to saving our resources.	School Services of Canada Toronto, Ontario
ENERGY FROM THE EARTH Gr. App. 3 to 5 (K)	Science Social St. Lang. Arts	Booklets, an audiotape, student worksheets and a teacher's manual combine to offer a set of activities useful in a multigrade classroom. Games and puzzles are included. The audiotape fits the booklet to aid the slow reader and assist reading and listening skills.	National Geographic Society Mississauga, Ontario
ENERGY FROM THE SUN Gr. App. 3 to 5 (K)	Science Social St. Lang. Arts	Booklets, an audiotape, student worksheets and a teacher's manual combine to offer a set of activities useful in a multilevel classroom. Games and puzzles are included. The audiotape fits the booklet to aid the slow reader and assist reading and listening skills.	National Geographic Society Mississauga, Ontario
ENVIRONMENTAL EDUCATION LAB KIT Gr. App. 4 to 8 (K)	Science	This kit contains 8 pamphlets, 2 posters, and 1 teacher's guide and presents an introduction to ecology followed by four lesson plans involving specific packet items. Some of the packet items are Soaps, Detergents and the Environment; Understanding Pesticides; Plants - How They Improve the Environment; and Priority One - Environment.	by The National Science Teacher's Association 1201 Sixteenth Street, N.W. Washington, D.C. 20036
FROM THE GOOD EARTH Gr. App. 3 to 6 (K)	Science	The program focuses on studies of the earth and the development of food production, healthy gardens and the fact that people need good foods in order to grow. The kit includes three sound filmstrips, activity cards, a gardening guide, Canada's Food Guide and a Teacher's guide.	McIntyre Educational Media Ltd. Rexdale, Ontario

TITLE/GRADE	FOCUS	DESCRIPTION	SOURCE
FRUSTRATING THE CONSUMER: A BEGINNERS GAME FOR THE RESPONSIBLE CONSERVER Gr. App. 3 to 9 (K)	Science Indust. Ed. Social St.	This is a "snakes and ladders" type of game that draws attention to basic concepts of the use of energy.	Energy Conservation Curriculum Project Calgary Board of Education
GO FLY A KITE Gr. App. 2 to 7 (K)	Math Science	This is an instruction kit on how to build kites and a complete bibliography of kite information.	Environmental Fact Finders Communications Branch Department of Environment Government of Alberta
HOW THE PORCUPINE GOT HIS QUILLS Gr. App. 3 to 9 (K)	Science Social St. Lang. Arts Art	Using a classical Plains Indian folktale as the focus, this kit develops a unit on Indian folklore and life, and animal characteristics. The guide includes background information on folktales and Indian life as well as follow-up activities. The components of the kit include an audio-cassette, an instruction booklet, three puppets and four pictures.	Moyer Vico Corporation Weston, Ontario
OBIS KIT OUTDOOR BIOLOGY INSTRUCTIONAL STRATEGIES Gr. App. 5 to 9 (K)	Social St. Science	This kit contains 2 booklets, 4 charts, 56 action cards, 9 equipment cards, and 27 folders. The activities presented in this learning kit introduce basic concepts of ecology in interest-catching ways. Students investigate the inter-relationships and interactions of animals, plants, and the physical environment, including Man's role in the natural scheme.	by the Lawrence Hall of Science University of California Berkeley, California
WHAT ANIMALS DO IN THE WINTER Gr. App. 3 to 5 (K)	Lang. Arts Science	This Learning Shelf Kit is a self-contained, self-motivating teaching program, informing students about the various ways animals adapt to winter in North America. It contains three pictures, a filmstrip, a cassette, 30 copies of narration, five duplicating masters, a teachers guide and catalogue cards.	National Geographic Society Mississauga, Ontario

PHYSICAL RESOURCES
NORTHERN REGION

The PHYSICAL RESOURCES of the NORTHERN REGION are listed for the area north of an arbitrary line drawn across a map of the province at about 54 degrees North Latitude.

These resources are made up of actual places to which students could be taken for out-of-school teaching-lessons. The code-keys used are:

(I) = Industry (N) = Natural Area (MG) = Municipal Government Facility
(PG) = Provincial Government Facility (FG) = Federal Government Facility
(PR) = Private Ownership (EE) = Environmental Education Primarily
(A) = Agriculture (T) = Tourist Attraction (CR) = Camp/Residential
(CW) = Camp/Wilderness

FACILITY	TYPE	DESCRIPTION	Location/Contact
ALBERTA FOREST SERVICES (PG)	Government Service	This department will make presentations to groups on any of its roles - forest protection, tree planting and clearing, trap lines, forest management, and fire control and prevention.	168 Airport Road Fort McMurray 743-7120
ALBERTA HOUSING CORPORATION (PG)	Government Agency	Staff members will explain the corporation's land assembly and development program, its financial assistance and role in planning for remote areas as well as in subdivisions.	1003C Biggs Avenue Fort McMurray 743-7100
ATHABASCA TO FORT MCKAY (N)	Canoe Trip Route	This canoe route trip requires two days. Travellers enter the water at Fort McMurray, travel past the tar sands and are picked up at Fort McKay. The channels are clear with very few obstructions.	Open Water April to October
BALD MOUNTAIN CAMPSITE (CW)	Campsite Wilderness	Located south of Grande Prairie on the Procter and Gamble Road, this area has some development. A small creek runs through the campsite. There is much opportunity to wander through untouched forests. (Check on road use)	Take Procter and Gamble Road south of Grande Prairie
BAD HEART RIVER (N)	Geological Area	This region is 75 km north east of Grande Prairie. The river has, along its banks, occasional marine fossils from the upper cretaceous period and selenite crystals are also available. The river shows the erosive force of water.	Much of this area is on private farm land and permission should be sough prior to entry. Grande Prairie
BEAVERLODGE EXPERIMENTAL STATION (A)(FG)	Government Research	This station is north of Beaverlodge. It researches existing crops, develops new crops, and studies agriculture methods that are suitable to the Peace River Region.	Tours are arranged by calling 354-2212 Beaverlodge
BEAVER LAKE (PG)	Camping Area	This free campground offers boat launching, along with the basic necessities of camping - shelter and cooking stoves, wood, water, and tables. Fishing is permitted at this Alberta Transportation site.	4 km east of Lac La Biche

CAMP YOGI (CW)	Camping Area Field Studies	Available for schools, agencies, clubs, and other groups is a lake side privately leased area for day camps or campouts. Accessible by road, a shelter is provided for weather protection, along with open areas for campfire, archery, canoeing, etc.	Located by Anzac on Gregoire Lake, 45 km from Fort McMurray 791-2345 Coordinator
CANFOR LUMBER MILL (I)	Private Business	This mill is right in Grande Prairie. It exclusively manufactures building studs. It is completely automated and anyone touring can clearly see the machinery in action.	Tours can be made by calling 532-4481 Grande Prairie
CANFOR PLYWOOD MILL (I)	Private Business	This mill is in Grande Prairie but separate from the lumber mill. Plywood of varying thicknesses is constructed here and a tour shows how the logs are "unrolled", cut and glued into a sheet of plywood.	Tours can be arranged by calling 532-4481 Grande Prairie
CANOEING ROUTES (N)	Canoe Routes	The Wapiti, Smoky and Peace River Systems offer unlimited canoeing opportunities varying in both length and difficulty of trip. These rivers are accessible by road at many points and have many suitable camping spots on their banks. (Check on river conditions)	Check locally re entry spots
CENTENNIAL PARK (MG)	City Camping Grounds	This camping facility provides basic facilities for a group to use as a base (camping, toilets, water, cooking) for a stay in the Fort McMurray area. Hiking trails are nearby. The maximum allowable stay is seven days.	Located 4 km south of Fort McMurray 743-1098
CENTENNIAL POOL (MG)	City Pool	A swimming pool, with diving facilities and a children's pool, is offered for general swimming, rental, and swimming lessons. Clubs include swimming and a skin and scuba diving club.	9304 Franklin Avenue 743-3910 Supervisor Fort McMurray
CLEARWATER RIVER (N)(CW)	Canoe Trip Routes	Canoes may be taken up the Clearwater from Fort McMurray either by air or by jet boat. Groups can canoe from the Saskatchewan border taking about two or three days. Class III and IV rapids are found at White Mud Falls. Campsites are found along the route.	Transportation upstream may be found locally.
CROW LAKE (N)(CW)	Boating Fishing	Boating and fishing are permitted in this lake. Groups can base their vehicles in the parking lot along Highway 63 and hike in to the lake.	138 km wouth on Highway 63 from Fort McMurray
CRYSTAL LAKE (MG)(CW)	City Centre	This lake is interesting because it represents an attempt by a city to preserve a natural habitat against urbanization while making it accessable to city residents for pleasure.	Contact the City of Grande Prairie at 539-8000
DINOSAUR CREEK (N)	Geological Interest Area	Numerous dinosaur footprints may be seen in this area and on nearby Dinosaur Ridge. The area is roughly 14 km west of Two Lakes. It is quite remote and inaccessible by road. (Check on road conditions)	Drive from Grande Prairie o Secondary Road 666 to Two Lakes and walk west the 14 kilometres.

FACILITY	TYPE	DESCRIPTION	Location/Contact
DORE LAKE CAMPGROUND (PG)	Camping Area	This site has free camping sites, which are operated by the Alberta Forestry service. Supplies of firewood, tables, water and pit toilets are all available.	15 km north of Fort Chipewyan
DUNES AREA (THE) (N)	Natural Area	This is an area of Eolian (wind deposited) sand in the area of the Wapiti River south of Grande Prairie. These dunes take the form of longitudinal and U-shaped dunes that are now stabilized by forest vegetation.	South from Grande Prairie on the Resources Road
DUNOEGAN HISTORICAL SITE (PG)	Historic Site	This old St. Charles mission is 26 km south west of Fairview on the Peace River. The Catholic mission was established by the Oblate Priests. Guided tours of the original buildings are available. (Camping and picnic sites)	Located on Highway 2 south west of Fairview
ELMWORTH GAS FIELD (I)	Private Company	This field, south west of Grande Prairie, is reputed to be one of the largest in the world. Gas plants are located on the field while research and exploracion continue.	To obtain further information or investigate the possibility of a tour contact Canadian Hunter Explorations in Grande Prairie at 539-3007
ENVIRONMENT CANADA FISHING AND HUNTING SECTION (FG)	Lake Use Area	This boat dock and boat launch facility has public access.	Located on Churchill Drive Lac La Biche
FORK LAKE (PG)	Camping Area	Alberta Transportation operates this free camping area, complete with stoves, shelters, wood, water, a beach, fishing areas and a boat launch.	58 km south east of Lac La Biche
FORT CHIPEWYAN (MG)	Settlement Study	Fort Chipewyan is the oldest continuously inhabited settlement in Alberta, being established in 1788 as a distribution centre. A warden station and information booth will supply information about the centre.	Information Alberta Fort Chipewyan
FORT MCKAY (N)	Natural Study Region	Fossils are easily collected at the limestone outcroppings along the Athabasca River, as well as camping in the forest at the McKay River.	35 km north of Fort McMurray
FORT MCKAY SCHOOL (T)	History Public Facility	Fort McKay School has local history materials available, such as slides, pictures, etc.	Located 35 km north of Fort McMurray
FORT MCMURRAY (MG)	Oil City	A bustling city of over 31,000 Fort McMurray serves the needs of people harvesting the tar sands, the world's largest oil deposit. Modern facilities and much recreation is in store for anyone visiting Alberta's newest city.	Fort McMurray City Site

FORT MCMURRAY FIRE HALL AND AMBULANCE (MG)	City Service	Fire protection and prevention are this department's main activities, with tours and talks arranged for groups as part of its educational component. Paramedic services are part of its operation.	2 Tolen Drive Fort McMurray 743-3013 Fire Prevention Officer
FORT MCMURRAY REGIONAL HOSPITAL (MG)	Regional Hospital Service	This modern facility contains a 150 bed accredited active treatment hospital, and has expertise in medicine, surgery, radiology, rehab-medicine, etc. It can be called on as a resource for a classroom situation. The computerized facility may be visited by groups as well.	7 Hospital Street Fort McMurray 791-6161
FORT MCMURRAY PUBLIC LIBRARY (MG)	City Library Services	Books, magazines, records, reference, audio-visual equipment rental, childrens program, meeting areas, bookmobile services, historical services and teledon services are available as well as "talking books" for those with impaired vision.	10012 Franklin Avenue Fort McMurray 743-2121
GOLD CREEK GAS PLANT (I)	Plant Facility	This plant is an example of a small gas plant situated in the field it serves. The plant handles both sweet and sour gas. As well as preparing natural gas for market, it produces sulphur and condensate.	Located about 8 km south of Grande Prairie For information call Petro Canada at 532-8001
GRANDE PRAIRIE PIONEER MUSEUM (T)	Public Attraction	This is an excellent small museum. It presents displays of the fauna of the region, highlighted by an albino moose, as well as many articles depicting the historical development of the area. Some older buildings are also on the site. (Check on hours of operation)	Bookings for groups can be made by calling 532-5482
GREGOIRE LAKE PROVINCIAL PARK (PG)	Provincial Camping and Picnic Area	This park has 140 camping stalls without electrical power. Boat and canoe rentals, swimming and beach areas, food concessions and picnic areas are available. Located in a forest area, the area is good for nature study. The maximum stay allowed is fourteen days.	Located on Gregoire Lake 29 km from Fort McMurray 334-2227
GREGOIRE PARK RECREATION CENTRE (MG)	Recreation Building	The recreation facilities include a gymnasium, two ball diamonds, a lacrosse court, two tennis courts, a soccer pitch, a play ground and picnic area.	19 Grenfell Crescent Fort McMurray 334-7018
GROUARD TOWNSHIP (MG)	Historical	Grouard, on the north shore of Lesser Slave Lake, was once a bustling town of 20,000. It played an important role in the fur trade of the region following exploration by David Thompson. Today, little evidence of the original townsite exists.	Take Grouard Road off Highway 2 east of High Prairie
GROUARD TRAIL (THE) (N)	Historical	This trail, following the north shore of Lesser Slave Lake, was the major fur trade route between the Peace River country and Fort Edmonton. Parts of the trail are still visible today.	Lesser Slave Lake
GYPSY LAKE LODGE (CW)	Unspoiled Lake	The lodge provides cabins, boats, fuel and dining facilities. Gypsy Lake is a trophy fishing lake. Many nature trails are in the area and interesting artifacts may be found near old trapper's cabins.	80 km east of Fort McMurray (available by air only) Gypsy Lake Lodge 57 Alberta Drive Fort McMurray, Alberta 743-3176

FACILITY	TYPE	DESCRIPTION	Location/Contact
HANGINGSTONE RIVER (PG)	Camping, Fishing and Hiking Area	Tent and trailer sites are available free, along with shelters, wood, water, tables and fishing in the river.	35 km south of Fort McMurray
HERITAGE PARK (EE)(T)	Public Attraction	This park contains a tourist information booth, a museum, historical buildings, historical machinery, and a drop-in centre for senior citizens. This attraction is operated by the historical society.	Free Admission Located on King Street just off Sakitawa Trail (Highway 63) by Lions Park Fort McMurray, Alberta
HILLIARDS BAY PROVINCIAL PARK (PG)	Park for Day Use and Camping	This park is located east of Grouard on the north shore of Lesser Slave Lake. It is surrounded by huge tracts of wilderness and is the ideal jump-off spot for exploration of the Grouard Trail.	Take the Grouard Road north off Highway #2 and follow signs at Grouard
INDIAN TRIBAL BANDS (MG)	Human Resource	The two Indian bands in the area are able to serve as community resources. Representatives of the Cree and Chipewyan tribes can provide information on area history, native customs and tribal skills.	Fort Chipewyan
IRONWOOD LAKE (PG)	Camping Area	Alberta Forestry monitors this camp ground, which has a boat launch area, wood, fireplaces, shelters, water, tables, and a beach known as a good fishing area.	53 km south east of Lac La Biche
KAKWA FALLS Recreation Area (N)	Camping Backpacking	At thirty metres high, these falls are a major attraction. The falls are in a totally wilderness area 200 km south west of Grande Prairie. Wildlife abounds in the area. Pack trails, some dating back to the fur trade, run through the area. (Check on road conditions)	The 666 Secondary south of Grande Prairie and the Procter and Gamble Haul Roa
KLESKUN HILLS (N)	Day Use Hiking	Thirty-five km east of Grande Prairie, this is an ecologically fragile area. It consists of a cluster of small hills untouched by the last Ice Age. The area contains mosses normally found in the Arctic and cacti of the far south and Alpine flowers. Precambrian rock may be seen.	Turn north off Highway 34 Grande Prairie
LAC LA BICHE HERITAGE CENTRE (MG)	History	The Heritage Centre contains artifacts of the past days of Lac La Biche.	Located on Churchill Drive Closed Sundays Lac La Biche
LAC LA BICHE LIBRARY (MG)	Resource Facility	This building is a public library with the usual services available to individuals and visiting groups.	Located on Churchill Drive Closed Sundays Lac La Biche
LITTLE FISHERY CREEK TRAIL (MG)	Trail	A developed trail begins at Birchwood School and proceeds north, returning back to the school. Users may cross-country ski in winter and hike in summer. The trail is ten km in length.	North of Birchwood School Ermine Crescent 109 Tamerac Way 743-1000 for information Fort McMurray

LIONS PARK (PR)	Picnic Grounds	Adjacent to the Hangingstone River, the park has a playground, fire pits and picnic tables.	Located on King Street just off Sakitawa Trail (Highway 63) by Heritage Park Fort McMurray
MCDONALD ISLAND RECREATION COMPLEX (PR)	A Society Operated Recreation Area	A large number of recreational facilities are available. A golf course, four baseball diamonds, squash and recquet ball courts, as well as lounges and banquet rooms are a part of the complex.	Located on MacDonald Island, at the north end of the lower townsite. 791-0070 Fort McMurray
MAQUA LAKE (PG)	Camping Area	Tent and trailer sites with fireplaces and wood, tables, drinking water and beach are available, free of charge. Hiking trails are near.	40 km south of Fort McMurra
MARIANA LAKE (PG)	Camping Area	Free sites with shelter, wood, tables, water, boat launching and fishing are available.	110 km south of Fort McMurray
MISSAWAWI BEACH (CW)	Camping Area	This is another fishing area, with plenty of land to explore forestry. The camp spot also supplies firewood, stoves, shelters, water, tables and is free of charge.	13 km south of Lac La Biche
MOONSHINE LAKE PROVINCIAL PARK (PG)	Camping Day Use	This is another large provincial park in this region. It has 1932 acres and is located twenty-nine km west and five km north of Spirit River. It lacks beaches but is suitable for swimming. The area is heavily forested.	Watch for the Turnoff sign on Highway 49 west of Spirit River
MUSREAU LAKE (PG)	Camp Historical Interest	This interesting lake is approximately eighty km south of Grande Prairie. It was stocked with trout in 1978. The area around the lake includes some early buildings and is of some archeological interest. A camping area has been established. (Check on road conditions)	Take Canfor Road south from Grande Prairie
NISTAWOYOU FRIENDSHIP CENTRE (PR)	Native Organization	Operated by the native population, this centre organizes lessons in native languages, offers native handicrafts, helps to further native customs and helps to bridge the gap between citizens.	10133 Franklin Avenue Fort McMurray 743-8555 Executive Director
NORTHEAST ALBERTA REGIONAL COMMISSION (PG)	Provincial Agency	This office deals with plans and programs for education, health, transportation, accommodation, communication, and other public services, and coordinates the involvement of government departments and agencies with local authorities. There are documents in the office library that serve as excellent resources as well as available staff to serve as resource personnel.	9401 A Franklin Ave Fort McMurray 743-7214 Regional Commissioner
NORTHERN ALBERTA RAPESEED PLANT (I)	Cooperative Plant	This plant, located in Sexsmith, extracts oil from rapeseed grown in the Peace Country. The oil is shipped in bulk for both domestic use and export. The meal that remains is used as a protein supplement for cattle, poultry and hogs. (Tours are not encouraged due to safety hazards)	For further information, contact the plant. Sexsmith

FACILITY	TYPE	DESCRIPTION	Location/Contact
NORTHERN TRANSPORTATION COMPANY LTD. (I)	River Transport	Fort McMurray is the distribution point for supplies and equipment to be shipped to Lake Athabasca, Uranium City and Fort Chipewyan. Tugs and barges make the round trip in approximately seven days. The tugs and barges are taken out of the water before freeze up and slid in again in the spring.	8540 Manning Ave 743-2479 Fort McMurray
NOSE MOUNTAIN (N)	Natural Area	In the vicinity of the Nose Mountain tower there are areas untouched by either the Keewatin or Cordilleran ice sheets of the last Ice Age. These areas are marked by unique flora.	Alberta Forest Service can provice specific access directions Phone: 539-2390 Grande Prairie Area
NOTEKIUEEN PROVINCIAL PARK (PG)	Camp Day Use	This park is only presently being developed for camping. It is on the Notekiueen River thirty-five km north and twenty-two km east of Manning. It is truly in a wilderness area and has 2688 acres in the park.	Watch for signs off Highway 35 Manning Area
OIL SANDS INTERPRETIVE CENTRE (under construction) (PR)	Private Facility	1840 square metres of viewing space will explain the history of the oil sands and the modern techniques of mining and extracting oil sands. Displays will also forecast the future of the sands.	Corner of Highway 63 and MacKenzie Blvd., Fort McMurray
OUTDOOR EDUCATION SITE (CR)	Outdoor Centre	The site is cleared with a bunkhouse and storage building available. There is a small bay for canoes and swimming, hiking and vehicle trails are in the area.	Located at Fourth Lake north of Fort Chipewyan Contact Lloyd Guilbault 697-3622
OWL HOOT CAMPGROUND (CW)	Camping Area	This site offers hiking trails, boat rentals and launch areas, water, shelters, fireplaces, and a grocery store. There is a charge for camping.	30 km north of Lac La Biche Telephone: 623-7073
OWL RIVER (PG)(CW)	Camping Area	Alberta Transportation tends this free camping area and supplies water, wood, stoves, shelters, tables, and fishing areas.	32 km east and north of Lac La Biche
PASTEW PLACE DETOXIFICATION CENTRE (PG)	Provincial Facility	This is a community based residential facility for those physically withdrawing from alcohol or drugs. Talking to the staff is an eye-opening experience.	505 Sakitawan Trail Fort McMurray 791-2525 Director
PINEHURST LAKE (PG)	Camping Area	Fishing is the attraction at this beautiful lake. It has a boat launch area and a sandy beach, and has all the necessary items for camping - water, wood, stoves, and tables.	50 km south east of Lac La Biche
PINE RIDGE FOREST NURSERY (PG)(A)	Provincial Government Facility	Tours include viewing the extraction plant, greenhouses, production room, lab and finally the fields. A seeding operation occurs in June. Pamphlets are distributed for students from Grades kindergarten to 12. Group size approximately forty. (Open mid-May to September -- No charge)	Located 16 km east and 5 km south of Smoky Lake, Alberta, on Highway 28 Telephone: 656-4130

PINTO CREEK (CW)	Geological Site	Pinto Creek is of interest because of the thin coal seams that can be found in the banks. Other formations are of geological interest as well. A wilderness campground is available. (Check on road conditions)	Follow Secondary 666 south from Grande Prairie
PIPESTONE CREEK (MG)	Camping Day Use Geological Studies	This facility, operated by the County of Grande Prairie, is eleven km south east of Wembley. Situated on the Wapiti River it is good for geological studies. It is also the site of an early Indian burial ground. (Check on directions from Wembley)	There is no charge for either facility but there is a resident park warden. Wembley area
PLAMONDON BEACH (PG)	Camping	Alberta Transportation caretakes this free camping area, located on the lake (Lac La Biche). Shelters, wood, water, tables and a boat launch are available along with fishing and swimming by the beach.	7 km north and 3 km east of Plamondon
POLLUTION CONTROL (DEPARTMENT OF ENVIRONMENT) (PG)	Government Agency	Services include monitoring of air quality and receiving pollution complaints. Water quality, waste management, pesticide, and engineering concerns are referred to Edmonton.	210 McAlpine Crescent 743-7183 Director Fort McMurray
PROCTER AND GAMBLE LOGGING (I)	Logging Area	This large operation is logging in the area south of Grande Prairie. There are numerous examples of Procter and Gamble's policy of clear cutting reforestation. Access is by the Procter and Gamble haul roads.	Contact Procter and Gamble at 539-8500 Grande Prairie
PROCTER AND GAMBLE LUMBER MILL (I)	Business Facility	The mill is adjacent to but separate from the pulp mill. This is a very new facility so a guided tour will be demonstrate the latest techniques employed in lumber mills.	Contact the Public Relations section at 539-8500 Grande Prairie
PROCTER AND GAMBLE PULP MILL (I)	Business Facility	This is one of two pulp and paper operations in Alberta. It is on the Wapiti River five km south of Grande Prairie on the Resources Road. The process of producing Kraft paper is well explained and can be followed from wood to bundled product.	Contact the Public Relations section at 539-8500 Grande Prairie
PROVINCIAL BUILDING (PG)	Provincial Offices	Offices in this new building include the Provincial Court House, Attorney General's office, Municipal Affairs, Recreation and Parks, Mental Health, Transportation, Agriculture, Social Services, Wildlife and the Athabasca Health Unit.	Access from 92 Street in Fort McMurray
QUEEN ELIZABETH PROVINCIAL PARK (PG)	Camping and Day Use	This park is located on Lac Cardinal, five km west and three km north of Grimshaw. With over 200 acres in the park, such things as hiking trails are offered as well as the usual offerings of swimming, boating and fishing.	Located just off Highway 35 Grimshaw Area
SASKATOON LAKE PARK (PG)	Camping and Day Use	This well developed park is nineteen km west and 3 km north of Grande Prairie. The lake is suitable for boating and swimming. A naturalist program is available.	Watch for signs off Highway 2 west of Grande Prairie

FACILITY	TYPE	DESCRIPTION	Location/Contact
SHERMAN MEADOWS (N)	Historical Interest Backpacking	This is an area of some historical interest. Situated one hundred-eighty km south west of Grande Prairie it was once the site of a way station where travellers could rest enroute to Grande Cache or Jasper House. Some remnants of this early occupation are still evident. (Check on road conditions)	666 Secondary Road south of Grande Prairie
SIMONETTE RIVER (CW)	Camping	This is a wilderness camp ground on the river and surrounded by virgin forest. It is on the Goodwin-Hinton Forestry Trunk Road eleven km west and eight km south of Debolt. (Check on road conditions)	Turn south on to the Goodwin Hinton Forestry Trunk Road off Highway 34 Debolt Area
SIR WINSTON CHURCHILL PROVINCIAL PARK (PG)	Camping	This provincial park has a charge for its beautiful sites, but many attractions are present. Shelters, fireplaces, water, tables and hiking trails are supplied, along with a boat launch, swimming area, a playground and daily parking interpreter services.	10 km north east of Lac La Biche
SOCIETY FOR THE PREVENTION OF CRUELTY TO ANIMALS (MG)	Local Facility	Offered, besides boarding and animal adoption services, are programs to children on the care and feeding of various animals.	P.O. Box 5604 Fort McMurray 791-4444 Located 5 km south of city limits at landfill site.
SOUTH PEACE CENTENNIAL MUSEUM (T)	Historical Facility	This unique museum has in addition to the usual butter churns, radios, etc. of pioneer days, a collection of working early farm machinery, steam engines, grist mills and a sawmill. They are all started up during Pioneer Days. (There is an admission charge)	For further information on either the museum or Pioneer Days contact W.E. McLean at 354-8869 Beaverlodge
SPRING LAKE (PR)(CW)	Camping and Day Use	This site was developed and is now maintained by Procter and Gamble. It is very pleasant facility that offers excellent swimming and trout fishing. There is a nature trail around the lake.	Contact Procter and Gamble in Grande Prairie re directions. Phone: 539-8500
SPRUCE POINT PARK (MG)	Camping Day Use	This park is the only large developed campsite on the southern shore of Lesser Slave Lake. It is situated eleven km north of Kinuso. The facility is fairly well developed but has kept a wilderness atmosphere. Operated by I.D. #17.	Turn off Highway 2 at Kinuso and watch for signs Lesser Slave Lake
STONEY MOUNTAIN (N)	Natural Area	Parking at the base of the mountain road, 300 metres from Highway 63, people can cross-country ski up to the summit, then over to Maqua Lake. It is also an excellent hike in summer.	35 km south of Fort McMurray
SUBARCTIC WILDERNESS ADVENTURES (PR)(I)	Adventure Trip	This private guiding company offers year-round land or water based trips tailored to desire. They may be for novice to expert, based on recreation, history or physical challenge.	Subarctic Wilderness Adventures Ltd. Box 685 Fort Smith, N.W.T. TOE OPE (403) 872-2467
SUNCORE INCORPORATION (I)	Oil Sands Plant	Suncore is a large scale oil sand mining operation, shipping 58,000 barrels of synthetic crude oil daily. Visitors can see the process of extraction and the byproducts which result. Environmental control operations, including reclamation procedures, may be noted.	Suncor Incorporation Oil Sands Division Tar Island Fort McMurray 743-6411

SYNCRUDE CANADA LTD. (I)	Oil Sands Plant	The largest oil sands plant in the world. The world's largest bucketwheels, and many miles of conveyor belts are astounding to see. A good tour of the operation is available.	Syncrude Canada Community Relations 9911 MacDonald Avenue Fort McMurray
TOUCHWOOD LAKE (PG)	Camping	Fishing and forests are the attractions of this area, and Alberta Forestry hosts a boat launch area, along with beach, water, tables, wood, shelters, and stores for its visitors.	35 km east and 11 km north of Lac La Biche
TRUMPETER SWAN HOT AIR BALLOON ASSOCIATION (PR)	Private Club	Through the Trumpeter Swam Balloon Club flights can be arranged that will provide an excellent view of the geography of the area. The club charges $75.00 for an hour plus $10.00 for the pilot.	Contact Grande Prairie Hot Air Balloon Association at 532-6095
TRUMPETER SWANS NESTING (N)	Natural Area	The Trumpeter Swan is the emblem for the City of Grande Prairie. This beautiful bird was almost extinct, but due to conservation efforts from the area, they are now seen on water spots all over the region in the Spring as they nest on local lakes. (Do not approach nesting pairs)	A slow drive through the back roads north of Highwa 2 in the early Spring, wil usually turn up some of these birds. Grande Prairie area
TWO LAKES (CW)	Camping	This campsite is 89 km south and 25 km west of Grande Prairie in the foothills of the Rockies. The lakes have trout and excellent hiking and climbing trails offer spectacular views of the Rocky Mountains. (Check on road conditions)	Take Secondary 666 south o Grande Prairie
WANDERING RIVER (PG)	Camping	Shelters, fire pits, tables, wood and water are available at this site, operated by Alberta Forestry Service. Fishing and hiking are favourite activities here. There is a considerable fee for service.	11 km north of Wandering River adjacent to Highway 63
WILDERNESS RIVER ENCOUNTERS (PR)(I)	Tour Organizers	The Athabasca River is canoed, from Athabasca to Fort McMurray, following the paths of David Thompson and Peter Pond. Cabins, tar sands, meadows, rapids and some history are part of this seven day adventure.	10306 - 126 Street Edmonton, Alberta 455-0927
WILLIAMSON PROVINCIAL PARK (PG)	Camping and Day Use	This is a highly developed facility on Sturgeon Lake eighteen km west of Valleyview. The campground offers modern facilities and the lake is good for boating and fishing as well as offering sandy swimming beaches.	Signed tour off on Highway 34 Valleyview Area
WINAGAMI LAKE PROVINCIAL PARK (PG)	Camping and Day Use	This lake, sixteen km south and eleven km east of McLennan, has very well developed grounds. The lake offers a good opportunity for the study of the eutrophication process. This is the largest provincial park in this area.	Either turn north onto #49 off #2 west of High Prairie or east off #2 at Donnelly
WOOD BUFFALO NATIONAL PARK (FG)	Natural Area	One of the largest in the world, this boreal forest has a two-hundred year old history of business due to the fur trade. Many animals (buffalo), birds (crane), and plants are located in this wilderness area and trails, campgrounds, Indian reservations, lakes and interpretive activities make it a valuable place to visit.	The Superintendent Wood Buffalo National Park Box 750 Fort Smith, N.W.T. TOE OPO

FACILITY	TYPE	DESCRIPTION	Location/Contact
YOUNGS POINT PROVINCIAL PARK (PG)	Camping and Day Use	This is another very large park with 2693 acres set aside on the shores of Sturgeon Lake. It is twenty-six km west and nine km north east of Valleyview. The campground offers the usual facilities and the lake is suitable for boating, swimming and fishing.	Watch for signs off Highway 34 west of Valleyview

EDMONTON AND REGION

THE PHYSICAL RESOURCES of EDMONTON and REGION are listed for the area bounded on the north by an arbitrary line across a map of the province about 54 degrees North Latitude and on the south by a line crossing just south of Wetaskiwin and Wainwright.

These resources are made up of actual places to which students could be taken for out-of-school teaching-lessons. The code-keys used are:

(I) = Industry (N) = Natural Area (MG) = Municipal Government Facility
(PG) = Provincial Government Facility (FG) = Federal Government Facility
(PR) = Private Ownership (EE) = Environmental Education Primarily
(A) = Agriculture (T) = Tourist Attraction (CR) = Camp/Residential
(CW) = Camp/Wilderness

FACILITY	TYPE	DESCRIPTION	Location/Contact
ALBERTA BOUND CANOE LTD. (I)	Private Industry	Rare tours are available when the company holds an open house. Early bookings are necessary in order to see the thirty-five different types of canoes, saunas, furniture and other woody "weird and wonderful" items.	Edmonton, Alberta 14737 - 123 Avenue Telephone: 462-5115
ALBERTA ENVIRONMENT CENTRE (PG)	Provincial Government Facility	This research centre is concerned with research to reconcile technology with the environment. Visitors can see displays and learn more about environmental technology, chemistry, plant sciences, and animal sciences. Suitable for grade twelves. (Free admission)	Highway 16, west of Vegreville, Alberta Telephone: 632-6761
ALBERTA FORESTRY TECHNOLOGY SCHOOL AND MUSEUM (PG)	Provincial Government Facility	During the month of June, school tours through the Alberta Forestry Service facility are welcomed. Students can visit the students' labs, fire simulation lab, recreation facilities, forest management lab and the Alberta Forestry Museum. (Free admission)	Hinton, Alberta Telephone: 865-3361
ALBERTA GOVERNMENT FOOD SERVICES LABORATORY (PG)	Provincial Government Facility	Interested groups can tour this facility to get a general idea of how foods are analyzed. A general tour includes a visit through the microbiology, food chemistry and pesticide residues labs. Various dairy products are also analyzed. (Free admission)	Edmonton, Alberta O.S. Longman Building 6909 - 116 Street Telephone: 436-9450
ALBERTA GOVERNMENT GREENHOUSES (PG)	Provincial Government Facility	A guided tour of the four levels of this greenhouse provides students with an opportunity to see procedures used in a greenhouse, as well as a large variety of plant species. Minimum length of tour is 20 minutes, maximum group size is twenty-five. (Free admission)	Edmonton, Alberta Legislative Grounds Telephone: 427-7445

ALBERTA GOVERNMENT TELEPHONE TOWER (PG)	Government Facility Service Industry	A ninety-minute tour of the AGT museum is preceded by a film. The theme of the facility is "Man and Telecommunications". Students are allowed and encouraged to handle materials. A splendid view of the city is visible from the 33rd floor of the tower. (Free admission to school groups)	Edmonton, Alberta 10020 - 100 Street Telephone. 425-3978
ALBERTA LEGISLATIVE BUILDING (PG)	Provincial Government Building	A monument to Alberta's early pioneer builders, this building is so well built that the solid steel dome atop of it has never shown a crack. Visitors can sometimes meet with the Premier, cabinet ministers or other members of the Legislature. (Free admission)	Edmonton, Alberta 109 Street and 97 Ave Telephone: 426-7362
ALBERTA PIONEER RAILWAY MUSEUM (PR)(T)	Public Attraction	Special tours, conducted by volunteers, may be arranged. Visitors are able to trace the history of the railroad from 1877 to 1950. Steam and diesel locomotives are among the exhibits.	Located in Namao about three km north of Edmonton. Telephone: 973-9012
ALBERTA RESEARCH COUNCIL (PG)	Provincial Government Facility	Interested students who wish to tour this facility can visit the oil sands research centre, the coal research centre and the health projects research labs. The affiliated "atmospheric sciences centre" is located in Red Deer. (Free admission)	Edmonton, Alberta 445 Calgary Trail South Telephone: 439-5050
ALBERTA VETERINARY LABORATORY SERVICES (PG)	Provincial Government Facility	This laboratory will accept small groups of students for tours primarily if they have a rural background and are contemplating a career in animal health technology. Visitors are taken through the autopsy and histopathology labs. (No admission charge)	Edmonton, Alberta O.S. Longman Building 6909 - 116 Street Telephone: 436-8903
ALBERTA WEATHER CENTRE (FG)	Federal Government Facility	Students who are studying meteorology might find a visit to this centre very useful. A sixty minute tour of the facility would allow visitors to see the communications centre and the Arctic centre and learn how daily weather reports are prepared. (Free admission)	Edmonton, Alberta 6325 - 103 Street Telephone: 437-1530
ALBERTA WILDLIFE PARK (PR)(T)	Public Attraction	A guide will escort student groups (twenty-five or more) through this facility, showing and commenting on the many species of animals, which include jaguars, giraffes, bison, tigers, birds, etc. Groups of twenty-five or more are charged $1.00 each, kindergarten to grade 12.	Bon Accord, Alberta North of Edmonton Telephone: 921-3918
BEAVERHILL LAKE Tofield, Albert (N)	Natural Area	Beaverhill Lake is a well-known staging area for many species of migrating waterfowl and wading birds bound to and from the western Arctic. It is by far one of the best places anywhere in Alberta to study resident and migratory avifauna. This bird sanctuary can be visited year-round, however, the best months to visit are late March until late October.	Tofield, Alberta East of Edmonton Highway 14
BENNETT ENVIRONMENTAL EDUCATION CENTRE (EE)	Staffed Day-trip Facility Limited Residence	This facility caters primarily to Edmonton Public Schools at all grade levels. It offers studies in both natural and urban history. A staff will assist in planning and some equipment is available. Both residence and day-trip programs are possible.	Edmonton Public Schools 9703 - 94 Street Telephone the Program Coordinator at 468-1438 or 468-1439
BLUE LAKE CENTRE (PG)(EE)	Training Center	Formed as a training centre for teachers to learn special skills to take back to the classroom, Blue Lake offers novice, intermediate, and advanced courses in canoeing, cross-country skiing, kayaking, backpacking, survival and wilderness travel. Most of these very popular courses are offered on weekends. Programs are for adults only.	Alberta Recreation and Parks Edmonton, Alberta Telephone: 427-6565 Located about 40 km north of Hinton, Alberta

FACILITY	TYPE	DESCRIPTION	Location/Contact
BRAZEAU DAM AND POWERHOUSE (PG)(I)(T)	Public Attraction	Weekday tours of the dam and powerhouse can be arranged for anytime during the year. The construction of the dam, its operation and the powerhouse are emphasized on this walking tour. Students are welcomed in groups no larger than fifty. (Free admission)	56 km south west of Drayton Valley, Alberta Telephone: 894-3594
CAMROSE AND DISTRICT CENTENNIAL MUSEUM (MG)(T)	Public Historical Attraction	This museum contains artifacts from the area's yester-years. Visitors can tour the restored pioneer church and a 1906 pioneer school house. In addition, they can see a scale model of a steam threshing machine. (Free admission)	Camrose, Alberta 53 Street and 46 Avenue Telephone: 672-3411 or 672-4525
CANADA'S AVIATION HALL OF FAME (T)	Public Attraction	This museum has magnificent displays of documents and exhibits relating to Canada's pioneers, inventors, explorers, and teachers in aviation. Thirty display cases depict personal artifacts and memorabilia belonging to the Hall of Fame members. (Free admission)	Edmonton, Alberta 9411 - Jasper Ave (relocated to the Convention Centre in September 1983) Telephone: 424-2458
CANADIAN SALT COMPANY (I)	Private Industry	Junior and Senior high school students in groups of thirty to fifty will learn about the processing of salt in a ninety minute walking tour. Information concerning the geology of the area could be supplied on request. (Free admission)	Lindbergh, Alberta 16 km east of Elk Point south east of St. Paul Telephone: 724-3745
CAPITAL CITY RECREATION PARK (MG)	Public Facility	There are twenty-eight kilometres of parkland located in both sides of the North Saskatchewan River. Users may enjoy hiking, boating, golf, fishing and swimming in the summer and cross-country skiing in the winter.	Edmonton, Alberta
CITY OF EDMONTON CITY HALL (MG)	Civic Government	Teachers and students studying the decision-making process and government may tour city hall. Students can see a staged mock presentation of city council members in session. (Free admission)	Edmonton, Alberta City of Edmonton Public Relations Department Telephone: 428-5458
CITY OF EDMONTON WASTE/WATER TREATMENT PLANT (MG)(I)	Industrial Facility	Students in Grades 6 to 12 may tour this plant to see all phases of the sewage treatment process as well as the process of control procedures conducted at the plant laboratory. (Free admission)	Edmonton, Alberta 10977 - 50 Street Telephone: 428-8367
DEN (THE) (T)	Public Attraction	This facility is the only museum of its kind in Jasper. It is located in the basement of Whistler's Motor Hotel. The museum houses 93 specimens of wildlife native to the Jasper region. (Free admission)	Jasper, Alberta 105 Miette Avenue Telephone: 886-3750
DEVON BOTANIC GARDEN (T)	Public Attraction	This facility provides visitors with an opportunity to view trees, shrubs and flowers that are native to the Edmonton region. In addition, non-native plants are grown to test their adaptability to habitat areas as well. (Admission by donation -- School groups admitted free by special appointment)	Devon, Alberta About 20 km southwest of Edmonton. Telephone: 987-3054 (May to September 30 only)
DOW CHEMICAL LTD. (I)	Private Industry	Focussing on careers in the petrochemical industry, this one hour tour is geared for Grades 10 to 12 students. It begins with a slide presentation and progresses to a tour of the plant site showing the products and processes followed in Alberta.	Located about three kilometres east of Fort Saskatchewan on Highway 21 Telephone: 998-8282

EDSON FOREST (N)	Natural Area	Steep gullies, streams, bogs and alpine tundra cover most of the rough terrain found in this huge area. Old trails, suitable for backpacking, exist in the Hinton and Coal Branch areas, although they are not marked. Cross-country travel is discouraged here because of heavy deadfall.	For more information contact: Forest Superintendent Edson Forest Alberta Forest Service Box 1420 Edson, Alberta TOE OPO
ELK ISLAND NATIONAL PARK (FG)	Natural and Developed Areas	The park offers excellent interpretive programs that fit in well with any sort of ecological study. The park has a number of self-guiding nature trails, hiking trails, as well as swimming, golfing, camping and picnicking facilities. (School groups are admitted free, but there is a $2.00 fee for busses)	Further information may be obtained by contacting the Park Superintendent at 998-3781 or writing to the Superintendent at Site 4, R.R. #1, Fort Saskatchewan, Alberta, T8L 2N7
ESSO CHEMICALS, CANADA LIMITED FERTILIZER PLANT (I)	Industrial Plant	This facility is best suited for students with a background in chemistry. Students can view the entire sequence of steps involved in the manufacture of various types of fertilizer. (Free admission)	Located in Redwater, Albert northeast of Edmonton Telephone: 998-6111
ESSO RESOURCES CANADA LTD. DEVON GAS PLANT (I)	Industrial Facility	This small-scale petrochemical plant allows visitors right into the plant to see how raw crude is converted into liquified petroleum products such as butane, propane and pentane. These products are then stored underground. (Free admission)	Located near Devon, Alberta southwest of Edmonton. Telephone: 987-3392
FEDERAL GOVERNMENT FISHERIES AND OCEANS RESEARCH LAB (FG)	Federal Government Facility	This research laboratory deals with the qualitative and analytical analysis of canned, fresh and frozen fish that is intended for export out of the province. Visitors can learn how food technologists carry out routine analytical work. (No admission fee)	Edmonton, Alberta 2001 at 5320 - 112 Street Telephone: 435-7338
FEDERAL SOIL RESEARCH STATION (FG)	Federal Government Facility	Visitors to this research station are first shown a slide presentation to familiarize them with the objectives of the station. Tours include a trip to nearby fields where soil and crop research studies are conducted. May and June are the best times for visits. (Free admission)	Located 2 km east of Vegreville, Alberta Telephone: 632-3985
FOLDING MOUNTAIN (N)	Natural Untouched Area	Although a small wildlands recreation area, a profusion and variety of wildflowers are found along the top and sides of Folding Mountain ridge. Deer, marmot, cougar and bear are not uncommon here. Horsetrails are developed in this area and horses may be rented from Circle M Guest Ranch. Camp sites exist close to highway on the lower Drystone.	Located south of Highway 16 on the border of Jasper National Park
FORT EDMONTON PARK (MG)(T)	Historic Public Attraction	This is a replica of Fort Edmonton, a major fur-trading post, as it was constructed and used by the Hudson's Bay Company in 1845. Also included are early Edmonton historical villages. The ninety-minute tours operate from September 1 to April 30. (A small admission fee is charged)	Edmonton, Alberta, Fox Drive and Whitemud Freeway Telephone: 436-5565
FORT SASKATCHEWAN HISTORICAL SOCIETY MUSEUM (MG)	Historic Public Attraction	Visitors to this museum can see displays of the fort as it existed in 1879. Also included in the ninety-minute tour are visits to the old courthouse, two pioneer schools, an original log house, a blacksmith shop and a machinery shed. (Free admission)	Fort Saskatchewan, Alberta Telephone: 998-2407
GULF CANADA PRODUCTS COMPANY EDMONTON REFINERY (I)	Industrial Facility	Visitors to this refinery are shown the various buildings where petrochemicals of different sorts are manufactured from raw crude oil. The tour itself is mainly a bus tour as visitors cannot enter the plant for safety reasons.	Located in Edmonton, Alberta, on Highway 16 and 17th Street Telephone: 464-8610

FACILITY	TYPE	DESCRIPTION	Location/Contact
IMPERIAL OIL REFINERY (I)	Private Industry	Two-hour tours are offered to junior high and older students. A film about the refinery begins the presentation and then students are transported to the Control Centre to see how the refinery operates. Groups of about thirty are preferred.	Edmonton, Alberta 34 Street and 101 Avenue Telephone: 465-8110
JASPER NATIONAL PARK (FG)	Federal Park and Reserve	Skiers, hikers and those in search of a holiday are drawn to the Jasper area. Serious students and those interested in Nature's wonders will find an endless number of resources to be examined.	Located in the Canadian Rockies west of Edmonton
JASPER TOWNSITE (MG)	Resort Town Facility	In addition to the facilities and services that could be expected in a resort community a number of additional offerings may be found. A host of comfortable and convenient walking and hiking tours have been designed.	See Canadian Rockies Trail Guide
JOHN JANZEN NATURE CENTRE (MG)(EE)	Public Attraction	Various nature exhibits and slide presentations of local Edmonton flora and fauna are only a few of the things this nature centre has to offer. To delight younger children (Grades 1 to 6) are live ants, salamanders, snakes and a bee display. (Free admission)	Edmonton, Alberta 6601 - 148 Street Telephone: 434-7446
JOHN WALTER SITE (T)	Public Historic Attraction	This facility allows groups of students in the early grades (1, 2 and 3) to engage in the activities which are associated with pioneer life. Visitors make scones, butter and ice cream, card and spin wool, dip candles and do household chores. A fee is charged to cover material costs. The study lasts two hours.	Edmonton, Alberta 10626 - 93 Street Telephone:436-5565
MAN-ALTA COAL COMPANY (I)	Industrial Facility	This open-pit coal mining operation supplies coal to the nearby Trans-Alta Power Generating Station at Lake Wabamun. Visitors can see the giant electric-powered dragline and other large coal-excavating equipment during their tour. (Free admission)	Located near Wabamun, Alberta, west of Edmonton Telephone: 892-2215
MINISTIK HILLS FIELD STUDY CENTRE (CR)(EE)	Private Facility Limited Residence	This facility offers limited week-end and overnight accomodation for school groups studying ecology. Located in the Beaver Hills area southeast of Edmonton, it offers students [illegible]ique way of studying several North American biomes. There is a fee for use of the centre.	Located near Tofield, Alberta, Highway 14 east of Sherwood Park, Alberta Contact Dr. Lois Fenna at 662-2280
MIQUELON LAKE PROVINCIAL PARK (PG)	Provincial Government Facility	This park is famous for its bird sanctuary officially established in 1958. This is a major gathering place for many migrating waterfowl including white pelicans and great blue herons. A nature trail offers an excellent view of many migratory birds	Located 3 km west and 26 km north of Camrose, Albert near Highway 21 Telephone: 627-7308
MULTICULTURAL HERITAGE CENTRE (T)	Public Attraction	The Centre offers a number of displays. The Settler's Cabin shows pioneer crafts and skills. The Homesteader's Kitchen provides homemade and ethnic food. There is also a handicraft store and an art gallery. (Free admission for school programs)	Located in Stony Plain, Alberta, 5411 - 51 Street Telephone: 963-3660
MUTTART CONSERVATORY (EE)(T)	Public Attraction	Tours are available which allow visitors to examine each of the four pyramids. Each pyramid provides a different climate-zone for growing plants - Arid, Tropical, Temperate and Variable. Fee discounts are offered to school groups.	Edmonton, Alberta 98 Avenue and 96A Street Telephone: 428-2939

NELSON LUMBER COMPANY LIMITED (I)	Private Business	A sixty-minute tour of the huge lumber yard is best suited to junior and senior high school students. Topics should include: types of wood; varieties of lumber, plywood and artificial building materials; green and dry lumber; and, methods of storage.	Edmonton, Alberta 12727 St. Albert Trail Telephone: 452-9151
NELSON LUMBER COMPANY LIMITED NELSON HOMES LIMITED (I)	Private Industry	The company will offer tours to groups of up to thirty junior or senior high school students. A thorough examination of prefabricated homes, the factory layout and employment opportunities information are available topics.	Located in Lloydminister, Alberta Telephone: 875-8811
NORTHERN FOREST RESEARCH CENTRE (FG)	Government Research Centre	This centre is primarily concerned with research aimed towards conservation of Alberta's timber resources and ways of controlling forest enemies such as forest fires, and insect and plant pests. (Free admission)	Edmonton, Alberta 5320 - 122 Street Telephone: 435-7210
POLAR PARK (T)	Public Attraction	Formerly known as the Alberta Game Farm, this park is now a reserve for over 100 species of animals from Canada, Northern China, Russia, and other cold-climate countries. There are 16 km of cross-country trails for viewing the animals in winter. (Admission: Adults: $3.00; Children 7-16 $2.00; Under 7 free)	Located 14 km southeast of the Sherwood Park Freeway and the Highway 14 overpass Telephone: 922-3013
PROVINCIAL MUSEUM (PG)(T)	Public Attraction	In addition to the large number of displays and programs available within the museum, staff provide in-school instruction within the Edmonton area. Tours usually take a half-day. (Free admission)	Edmonton, Alberta 128 Street and Stony Plain Road Educational Coordinator Telephone: 427-1771
QUEEN ELIZABETH PLANETARIUM (MG)(T)	Public Attraction	The planetarium presents "star shows" of various themes recreating the night skies of all seasons and both hemishperes. (Admission fee: Adults; $2.50; Students $1.00)	Edmonton, Alberta in Cornation Park 137th Street and 114th Ave Telephone: 455-0119
RAPTOR RESEARCH CENTRE, CAMP WAINWRIGHT (FG)	Federal Government Facility	At this research centre, which is well known for its success in breeding captive peregrine falcons, visitors can see the raising pens and several different types of falcons. They can also see the operation of the closed-circuit video monitors. (Free admission)	Located at Wainwright, Alberta Telephone: 842-3331 Local 239
REYNOLD'S MUSEUM (T)	Tourist Attraction	This museum houses one of North America's largest collections of antique and classic cars, fire engines, and airplanes. (Admission: Adults $3.50; Children 6-13 $2.50; Under 6 Free) The facility is open from May 1 to October 1.	Located in Wetaskiwin, Alberta 4202 - 57 Street Telephone: 352-6201
ROSSDALE WATER TREATMENT PLANT (MG)	Industrial Facility	This plant offers one-hour tours of the facility to interested groups. Ideal for students in Grades 6 to 9 who wish to view and study the procedures and steps involved in the purification of water. (Free admission)	Edmonton, Alberta 102 Street and 96 Avenue Telephone: 428-4201
RUTHERFORD HOUSE (PG)(T)	Historic Site	At the restored home of Alberta's first premier, A.C. Rutherford, students learn about the lifestyle in early 20th Century Edmonton and about the Rutherford family. Two-hour tours are available from May 3 to June 30. (Free admission)	Edmonton, Alberta 11153 Saskatchewan Drive Telephone: 427-5708 or 427-2020

FACILITY	TYPE	DESCRIPTION	Location/Contact
ST. ALBERT HISTORICAL MUSEUM (MG)(T)	Public historic Attraction	Scheduled to open in the fall of 1983, this brand-new museum will relate the story of St. Albert through artifacts, photographs and other documentation. Included in the museum will be Father Lacombe's church which was built in 1816. (Fees for admission currently under review)	Located in St. Albert, Alberta Telephone: 458-9199
ST. REGIS PULP AND PAPER MILL (I)	Industrial Facility	At this facility, students can view the production of bales of pulp (cardboard) from logs that are brought into the mill. Logs are chipped, cooked and then bleached in the conversion to cardboard. Films are also shown if requested. (Free admission to schools) Tours are available in May and June only.	Located in Hinton, Alberta west of Edmonton Telephone: 865-2251
SHANDRO HISTORICAL VILLAGE AND PIONEER MUSEUM (T)	Public Attraction	Included in this pioneer village are fourteen original buildings in a Central European setting. Each building displays artifacts from the 1899 - 1911 period of European immigration. It is open for viewing May 15 to September 15. An admission fee is charged.	Located on Highway 857, 10 km north of Willingdon which is northeast of Edmonton. Telephone: 367-2761
SILVER SUMMIT (EE)(CR)	Private Facility Residence	This facility has been used as a residence centre for school systems involved in outdoor and environmental education. The site manager works with teachers in planning. A number of teachable resources are available during the May to November period of operation. Up to sixty persons may be accommodated.	Located about 45 km north of Edson on Highway 748 Telephone: 435-6243
STELCO INCORPORATION (I)	Private Steel Industry	Limited one-hour tours are offered twice a month to persons fourteen and older. Students can see the beginnings of the recycling process as scrap and car bodies are shredded, treated through the electric furnace and are rolled through the rebar system. (Free admission)	Edmonton, Alberta 4990 - 92 Avenue Telephone: 468-1133
STRATHCONA ARCHEOLOGICAL CENTRE (PG)	Public Attraction	This centre features an on-going archeological excavation of a 5,000 year old native site, in conjunction with a display center explaining archeology in Alberta. Students see archeologists at work, examine their tools and reproductions of artifacts. (Free admission)	Edmonton, Alberta Telephone: 427-2022
STRATHCONA NATURAL RESOURCES SCIENCE CENTRE (PG)	Public Attraction	The centre is a collection of displays which describe and interpret how Alberta's natural resources are put to use. Six pavilions feature the following resources: Air and Water, Forests, Renewable Energy, Land, Non-renewable Energy and Orientation. (Free admission)	Edmonton, Alberta Telephone: 427-0648 or 427-9490
SUNDANCE GENERATING PLANT (TRANS-ALTA UTILITIES) (I)	Private Industry	Tours of two to three hours are available to students of junior and senior high schools. The strip coal-mining operation and the cooling towers and ponds are introduced by videotape before the actual tour. (Free admission)	Located at Wabamun, Alberta, about 40 km west of Edmonton on Highway 16 Telephone: 797-3062
SYNCRUDE CANADA LIMITED RESEARCH LABORATORY (I)	Industrial Facility	High school students with a background in Chemistry can tour this research laboratory to see how oil-bearing sand is separated by the hot-water process to produce synthetic crude. (Free admission)	Edmonton, Alberta Highway #16, east at 16th Street Telephone the Research Director at 464-8411
TRANS-ALTA UTILITIES POWER GENERATING STATION (I)	Industrial Plant	Visitors can view the process of power production during a forty-five to sixty minute tour. The facility is restricted to students in Grade Four or higher. (Free admission)	Located at Wabamun, Alberta about 40 km west of Edmonton on Highway 16 Telephone: 892-2202

UKRAINIAN CANADIAN ARCHIVES AND MUSEUM (T)	Public Attraction	This museum displays numerous items and artifacts of Ukrainian heritage. It is the largest museum of its kind anywhere in Alberta, with an extensive Ukrainian Library in the basement. (Free admission)	Edmonton, Alberta 9543 - 110 Avenue Telephone: 424-7580
UKRAINIAN CULTURAL HERITAGE VILLAGE (T)	Public Attraction	This open-air museum portrays the pre-1930 lifestyle of the inhabitants of east-central Alberta. Facets of Ukrainian pioneer life, with numerous restored buildings recreating the atmosphere of an early Ukrainian settlement, can be seen at the site. (Free admission)	Located two kilometres east of Elk Island National Park or 45 km east of Edmonton on Highway 16 Telephone: 662-3640
UNIVERSITY OF ALBERTA ART GALLERY, EDMONTON (T)	Public Attraction	The art gallery houses travelling exhibitions that change every few months. Themes range from the various art forms to displays of natural history and Greek mythology. (Free admission)	Edmonton, Alberta University of Alberta Telephone: 432-5834
UNIVERSITY OF ALBERTA EXPERIMENTAL STATION DEPARTMENT OF ANIMAL SCIENCES (PR)(PG)	University Research	The staff of the station is prepared to adapt the content of the sixty to ninty-minute tour to the age level of the students. The focus is on feedlot operation as well as feeding and breeding experiments. (Free admission)	Kinsella, Alberta east of Edmonton between Viking and Wainwright Telephone: 336-2328
UNIVERSITY OF ALBERTA EXPERIMENTAL STATION DEPARTMENT OF PLANT SCIENCES (PR)(PG)	University Research	A tour of this facility is normally reserved for students of Agriculture. Content deals with information on current experimental projects in such areas as brush control, pasture improvement and range management. Available May to August to high schools only, the group size is restricted to twenty.	Kinsella, Alberta east of Edmonton on Highway 14 between Viking and Wainwright Telephone: 336-2448
UNIVERSITY OF ALBERTA MINERAL, GEOLOGY AND PALEONTOLOGY MUSEUM (T)	Public Attraction	This museum houses a fine collection of conventional minerals, fluorescent minerals, trilobites, ammonites and other fossil types. The major highlight of the museum is an extensive collection of dinosaur and mammoth bones. (Free admission)	Edmonton, Alberta University of Alberta Telephone: 432-3265
UNIVERSITY OF ALBERTA TROPICAL PLANT GREENHOUSE (T)	Public Attraction	This greenhouse consists of two tropical plant display houses that are open year-round to the public. Interested groups may also arrange to tour the greenhouse research facilities on the site. (Free admission)	Edmonton, Alberta University of Alberta Telephone: 432-3238
VALLEY ZOO (MG)(T)	Public Attraction [Science]	Tours of the zoo are available to groups of all ages and usually last about one hour. Displays, content and availability may depend on the time of year. An admission fee is charged but schools are given a reduced rate.	Edmonton, Alberta 134 Street and Buena Vista Road. Telephone: 483-5511
VICTORIA SETTLEMENT (PG)(T)	Historic Site	Fort Victoria was an early Hudson's Bay Company trading post and Methodist Mission. Groups may visit the site and see the oldest building still in the original location. (Free admission) Educational tours are available May 25 to June 30.	Located on Highway 855 south of Smoky Lake, Alberta. Telephone: 427-5708 or 427-2020
VIKING: RIBSTONES (N)(T)	Public Attraction	These two huge quartzite rocks were carved by Cree Indians and thought to be related to fertility rites for the buffalo ceremony.	Located ten kilometres east and three kilometres south of Viking, Alberta

FACILITY	TYPE	DESCRIPTION	Location/ Contact
WASKAHEGAN TRAIL (N)	Backpacking Trail	This backpacking trail, when totally finished, will be 250 miles long. Campsites are to be located every ten miles. The route is a great circle starting and finishing in Edmonton and linking Wetaskiwin, Camrose, Fort Saskatchewan and St. Albert.	Special Trail Guide from: Waskahegan Trail Association, Box 131, Edmonton, Alberta T5J 2G9
WILLMORE WILDERNESS PARK (PG)	Natural Area	This huge area has an abundance of wildlife not likely matched anywhere in Alberta. Access is by pack horse or by backpacking. Photographic opportunities are endless. Some fishing is available.	Abuts Jasper National Park on the north. Grande Cache Region

CENTRAL REGION

The PHYSICAL RESOURCES of the CENTRAL REGION are listed for the area bound on the north by an arbitrary line drawn across a map of the province just south of Wetaskiwin and Wainwright and on the south by a line roughly joining Didsbury, Three Hills and Hanna.

These resources are made up of actual places to which students could be taken for out-of-school teaching-lessons. The code-keys used are:

(I) = Industry (N) = Natural Area (MG) = Municipal Government Facility
(PG) = Provincial Government Facility (FG) = Federal Government Facility
(PR) = Private Ownership (EE) = Environmental Education Primarily
(A) = Agriculture (T) = Tourist Attraction (CR) = Camp/Residential
(CW) = Camp/Wilderness

FACILITY	TYPE	DESCRIPTION	Location/ Contact
ADVOCATE (THE) (I)	Daily Newspaper	Visitors can observe the production of a daily newspaper. The modern technology of this part of the communications industry is displayed. Tours are limited and aimed at Grade 4 or higher. Tour duration is about forty-five minutes.	Red Deer, Alberta 2950 Bremner Avenue Telephone the Promotion Manager at 343-2400
ALBERTA FISH AND GAME COUNTRY HABITAT PROJECTS (A)(N)	Habitat Management	In an effort to preserve wildlife and their habitats, a program whereby farmers are encouraged to set aside acreage for this purpose, has been devised. Groups might wish to study some of these "reserves".	Red Deer Region, Alberta Fish and Game Association, Public Relations, Telephone: 728-3418
ALBERTA FISH AND GAME STREAM FENCING PROJECTS (A)(N)	Habitat Management	Because cattle may, in some areas, be destroying fish and stream habitats, a program has been begun to encourage the fencing-off of some stream areas. Groups might wish to visit such areas through the participating farm owners.	Red Deer Region, Alberta Fish and Game Association, Public Relations Telephone: 728-3418
ALBERTA FISH AND GAME PHEASANT AND REARING FARMS (A)(N)	Wildlife Management	Many farmers, across the province, are now involved in the raising of pheasants. Groups might visit a local facility to examine the rearing pens.	Red Deer Region, Alberta Fish and Game Association, Public Relations, Telephone: 728-3418
ALBERTA ESSO RESOURCES (I)	Manufacturing Petro-Chemicals	This ethylene processing plant is, for special groups, available for tours. Recently completed greenhouses, heated by excess heat during the process, are also interesting.	Located at Joffre, 22 miles (35 km) northeast of Red Deer Telephone: 342-8611

ALBERTA SULPHATE EXTRACTION PLANT (PG)	Provincial Government Facility	The basics of sulphur extraction, as well as mention of the geological formations of this area, highlight this one-hour tour. Although only ten students can be accommodated in the plant at once, tours can be arranged for fifty. A handout is offered. (Free admission)	Located near Metiskow which is northeast of Coronation on Highway 41 Telephone: 857-3768 or 857-3771
AMERICAN CAN CANADA (I)	Manufacturing Tin Cans	A visit to this facility allows visitors to see how tin cans are made. Tours are restricted to people ten years of age or older. Since the factory is very noisy ear protection is advised. (Free admission)	Red Deer, Alberta 5239 - 53 Avenue Telephone: 347-5571
ARMSTRONG CHEESE PLANT (I)	Manufacturing Dairy/Cheese	The company will offer a thirty-minute tour of the facility showing the various steps and processes which are involved in the production of Alberta cheese. (Free admission)	Located in Bashaw, west of Ponoka where Highways 21 and 53 meet Telephone: 372-3618
BADLANDS OF THE RED DEER RIVER (I)	Commercial Adventure Service	This private enterprise group offers two and three day weekend trips as well as seven day trips in July and August. These might be a useful exploratory trips for a teacher planning such an excursion for their physical education students.	Contact Encounter III Edmonton, Alberta Telephone: 436-9235
BIGHORN DAM AND ABRAHAM LAKE (T)(PG)(I)	Public Attraction	This hydro-electric generating project, completed in 1972, resulted in the formation of Alberta's longest man-made lake. Tours of the powerhouse, including a display showing the buildings and operation of the dam, are available to interested groups. (Free admission)	28 km west of Nordegg, Alberta Telephone: 721-3952 Telephone Community Relations 267-7378
BLINDMAN RIVER WATER DIVERSION (PG)(I	Weir, Pumphouse and Canal Systems	Visiting this system could be a useful field trip when studying natural succession. By attempting to raise the level of Gull Lake by pumping water from the Blindman River through a canal, Man is interrupting the natural process of succession.	Project location is Gull Lake and Bentley, Alberta, Alberta Environment Telephone: 343-5310
BLUEBIRD FARM (A)(N)(I	Private Farm	When Union Carbide's Petro Chemical plant was developed, Ellis's Bluebird Farm was in danger. It has since been preserved and visitors may come to view this farm of a wildlife management project.	Located near Red Deer on Highway 2A, 16 km north of Blackfalds Telephone Union Carbide at 885-4200
BOWER NATURAL AREA (MG)(N)	Natural and Developed Area	In the past, this 126 acre area has been well used for cross-country skiing and hiking. The terrain is undulating and is covered by mixed spruce and poplar forests. Wildlife abounds, including a herd of deer. In the future there will be self-guided interpretive trails and orienteering courses. (Visitor Park is to the west of the college)	Red Deer, Alberta Adjacent to Red Deer College Telephone: 342-3300
CKGY (PARK COUNTRY) BROADCASTING LIMITED (I)	Radio Station	A visit to this radio station will introduce the group to a dimension of the communications industry. Highlights include the creative department, music library and control panel. Tours last about thirty minutes.	Red Deer, Alberta 4805 - 48 Avenue Telephone: 343-1170 Local 29
CANYON SKI AREA (I)	Private Facility Winter and Summer Use	Both winter and summer use of this area is possible. Skiing and ski instruction, with special rates to schools, are available in season. Hiking and riding trails may be used in the summer months. Equipment may be rented.	Located 18 km east of Red Deer, Alberta Telephone: 346-7003

FACILITY	TYPE	DESCRIPTION	Location/Contact
CENTRAL ABATTOIR (I)	Manufacturing Meat Packing etc	This slaughter house and meat packing plant may be visited by student groups. Only the cutting and packing operation will be seen. Tours last thirty to forty-five minutes.	Red Deer, Alberta 4327 - 54 Avenue Telephone: 346-7796
CORKSCREW MOUNTAIN (N)	Natural Area	This part of the forestry trunk road provides an excellent view of a meandering stream, oxbow lakes, and other related geological formations in the Clearwater River valley. Camping facilities are in the area and there is a scenic viewpoint.	Located on the Forestry Trunk Road south of Rocky Mountain House and west of Caroline
CRESCENT FALLS (N)	Natural Area	A short hike off the road will enable students to view the sedimentary strata, the falls and the Bighorn Canyon.	Located on the David Thompson Highway #11, 23 km west of Nordegg on the Bighorn River.
CRONQUIST HOUSE BOWER PONDS (MG)	Restored House	Part of Red Deer's heritage has been preserved in the Cronquist House. This fine brick structure has been moved from its original location. Gravel beds in the area have been turned into shallow trout ponds which are also useful for the teaching of introductory canoeing.	Red Deer, Alberta Near Great Chief Park Telephone: 346-5116
DE GRAFF'S SKI RANCH (I)	Cross Country Ski Ranch	This facility allows day-trips and tours and provides prepared and groomed trails to visitors. There are no overnight accommodations.	Located at Gull Lake northwest of Red Deer Telephone: 748-2175
DICKSON DAM (PG)(I)	Unfinished Construction Site	While the estimated date of completion of this dam is spring of 1983, a visit of this area can still prove to be very informative. Visitors can easily see the basin which is to be filled and estimate the changes which will soon be felt. The help of a suitable guide should be arranged for.	Located in the Spruceview area, Site 6 on the Red Deer River Telephone Alberta Environment at 343-5310
DRY ISLAND BUFFALO JUMP PROVINCIAL PARK (PG)(N)	Provincial Government Facility Park	This is a unique location along the Red Deer River. Dry Island is located in the canyon but its top is level with the valley walls on either side. Buffalo bones can be found at the bottoms of the buffalo jump areas. Although there are picnic and rest areas, no overnight stays are permitted.	Located 16 km east of Huxley, Alberta which is north of Three Hills on Highway 21
ESSO RESOURCES, EVERDALE PLANT (I)	Manufacturing Gas and Oil	Tours of this facility are available to selected groups. Visitors have the opportunity to see the production of sweet gas and crude oil.	Rocky Mountain House, Alberta (Box 1419) Written confirmation required.
FEDERAL AGRICULTURAL RESEARCH STATION (FG)	Federal Government Research Facility	This research station will accept interested Grade 11 and 12 students of rural background who are contemplating a career in Agriculture for special tours to see the meat science lab, plant breeding labs, swine and beef units, and the greenhouse complex. (Free admission)	Located in Lacombe, Albert Telephone: 782-3316
FORESTBURG COLLIERIES (DIPLOMAT MINES) (I)	Industrial Facility	This extensive stripmining coal operation features one of the world's largest coal mining shovels - "Mr. Diplomat". This electric-powered giant weighs 1465 tons. This is an excellent place to study active reforestation techniques as well. (Free admission)	Located near Forestburg, Alberta, east of Ponoka on Highway 53 Telephone: 582-3846

HARPER'S METALS (I)	Manufacturing Metal Recycling	This facility is directed toward metal recycling. Visitors can see cutting torches, the aluminum furnace, the baler (which flattens automobiles to a height of twelve inches) and other equipment. Groups should be limited to thirty people. Tours last up to two hours.	Red Deer, Alberta 5835 Kerrywood Drive Telephone: 346-4185
GAETZ LAKES (N)	Natural Wildlife Preserve	Located in the City of Red Deer, large numbers of wildlife can be seen including deer, beaver, loons, and many others. The area is to be left completely undisturbed. Skating and cross-country skiing are possible in winter. Some further assistance might be obtained by contacting the Red Deer River Naturalist Society at 346-7959.	Red Deer, Alberta west of Lindsay Thurber High School
GIBSON PETROLEUM COMPANY LIMITED (I)	Private Industry	A brief, thirty-minute tour of this oil storage facility will show the visitor how two million barrels of oil can be stored while awaiting distribution. This is not a refinery.	Located near Hardisty, Alberta, 179 km southeast of Edmonton. Telephone: 888-3774 or 888-3803
HIGH GRADE FEED LOT (I)	Private Industry	How the mill operates, where the cattle are weighed, branded, innoculated, and implanted, the sick barns, office and computer are included in this ninty-minute tour offered for junior-senior high school students. About thirty in a group is the preferred size.	Located five kilometres east and six kilometres south of Hardisty, Alberta Telephone: 888-3540 or 888-2290
HOME OIL LIMITED (I)	Private Industry	Senior high school groups of about thirty can be handled at this propane/butane processing and storage area. The liquified gases are stored in underground tanks. A butane splitter and distillation tower are also viewed in this sixty-minute tour.	Located near the town of Hardisty, Alberta Telephone: 888-3565
INNISFAIL MUSEUM (MG)	Public Historic Attraction	The primary direction of this museum has been the history of agriculture and pioneer housing. (Free admission)	Innisfail, Alberta 52 Avenue and 42 Street Telephone: 227-9025
INNISFAIL ORIENTEERING COURSE (EE)	Orienteering Course	The Alberta Orienteering Association has placed the course in the area. Proper maps can be obtained and the course can be hiked in summer and handled cross-country in the winter. Clinics are available through the Association - contact 266-2771.	Innisfail, Alberta Telephone: 227-3165
JOHNS-MANSVILLE CANADA (I)	Manufacturing Insulation	Students who might visit this facility would learn about the principles of insulation as a part of building construction and how insulation is produced. Tours last about forty-five minutes for groups no larger than thirty. (Free admission)	Innisfail, Alberta Telephone: 227-5561
KEVIN SIROIS FITNESS CENTRE (PG)(MG)	Education Fitness Centre	This section of Red Deer College offers fitness assessment and fitness program design. This service might be very useful to groups which could be planning vigorous outdoor programs. (Free admission)	Red Deer, Alberta Red Deer College, Community Relations Telephone: 342-3300
KNEEHILL HISTORICAL MUSEUM (MG)	Public Historic Attraction	This museum includes displays of the instruments used by early doctors, Royal Canadian Mounted Police and military uniforms, old mining equipment and historic photos taken in the region.	Three Hills, Alberta 2nd Street North Telephone: 443-5150

FACILITY	TYPE	DESCRIPTION	Location/Contact
KOOTENAY PLAINS NATURAL AREA (N)(CW)	Natural Area	This large protected area is influenced by north-south prevailing winds resulting in a moderate climate and natural grasslands uncommon to other Rocky Mountain passes. Indian ceremonial grounds are located here. There are several excellent hiking trails.	Located 70 kilometres west of Nordegg, Alberta
KOROLUK LAND SLIDE (N)	Natural Area Land Form	This is an excellent example for a geology unit on the force and power of running water. This mudslide occured in 1974 during a heavy run off. The area is a good site for studying plant succession also.	Located 16 km north and 2 km east of Edgerton (East of Wainwright, Alberta)
LAMBCO PROCESSORS (A)(I)	Manufacturing Meat Processing	In this plant, animals are slaughtered and their meat processed, packaged and arranged for shipment to various wholesale and retail outlets. Tours may be arranged but caution as to content is advised. (Free admission)	Innisfail, Alberta 4312 - 51 Street Telephone: 227-3386
MASKEPATOON PARK POND (N)	Natural Pond Area	A convenient pond is available within the city limits.	Red Deer, Alberta Additional information Telephone: 346-7959
MEDICINE LODGE SKI CLUB (I)	Downhill and Cross-Country Ski Area	A rustic lodge is one of the attractions at this club facility. Interesting ski tours can be carried out in the Medicine Hills region nearby. Both downhill and cross-country sites and trails are available.	Located near Bentley, Alberta Telephone: 748-2025
MOUNT EDITH CAVELL (FG)	National Park Area	Located along the icefields parkway, this area provides a fine opportunity to observe mountain geological formations and the results of glacial action. Two hiking trails are available. One leads to the glacier and the other into the mountains.	Located 30 km south of Jasper using 93A access road
NORDEGG RANGER STATION (PG)	Provincial Forestry Station	Natural resource management is one of the themes of a program offered at the station. Visitors see slides and items of equipment and hike up to the lookout tower. The tour is recommended for Grade six and higher. Maximum group size is forty.	Nordegg, Alberta Chief Ranger Telephone: 721-3965
OLDS AGRICULTURAL COLLEGE (A)(PG)(MG)	Education Agriculture	This is one of Alberta's major agricultural colleges. A variety of studies are carried on here including a large section in animal sciences. The areas most receptive to tours are Plant Sciences and Soils and Agricultural Production.	Olds, Alberta Telephone: 556-8281
PARKLAND FURNITURE MFG. (I)	Manufacturing Furniture	This company allows students to see a small industrial operation plus a sawmill on another site. (Free admission)	Lacombe, Alberta College Heights Telephone: 782-6621
PINE HILLS HUTTERITE COLONY (PR)	Ethnic Settlement	This colony accepts visitors in groups of fifteen to thirty in number. More frequent visits are possible since a per-person fee is charged.	Located about 15 km west of Penhold on the Pine Lake Road. Contact the minister at 886-4626 or 886-2739

PIONEER LODGE (MG)	Pioneer Artifacts Display	An exhibition of artifacts from the pioneer era may be viewed by visitors. Displays include wildlife trophies, antique weapons and other memorabilia. (Free admission)	Red Deer, Alberta Exhibition Grounds Telephone: 343-2832
R.C.M.P. DOG TRAINING KENNELS (FG)	Police Dog Training Kennels	Visitors are able to see a film on the training of dogs and then see some of the animals in action in the agility course. Tours occur on Fridays and last up to ninety minutes for groups of no more than thirty.	Located between Bowden and Innisfail on Highway #2 Telephone: 227-3346
RAM RIVER FALLS (N)	Natural Area	A well marked path leads to these spectacular waterfalls. Exposed sedimentary rocks and large rock outcroppings provide excellent examples for geology classes. A campground and scenic viewpoint are nearby.	Located on the Forestry Trunk Road 73 km northwest of Ricinus which is south of Rocky Mountain House and west of Caroline
RAVEN BROOK TROUT STATION (PG)	Provincial Government Hatchery	Students can see how trout are raised in captivity for release in a natural habitat when fish are mature.	Caroline, Alberta west of Innisfail on Highway 54 Telephone: 722-2160
RED DEER AND DISTRICT MUSEUM AND ARCHIVES (MG)	Museum and Archives	The Historical Gallery offers displays of pioneer life and the Exhibition Gallery has a wide variety of displays. Tours are available to school groups. (Free admission - donations)	Red Deer, Alberta 45 Street and 47A Avenue Telephone: 343-6844
RED DEER CITY HALL (MG)	Municipal Government Building	An opportunity is available for students to see civic government in action. Visits are sixty-minutes in length. Group size is limited to twenty-five.	Red Deer, Alberta Telephone: 342-8157 or 342-8139
RED DEER COLLEGE BIOLOGY DEPARTMENT (PG) (MG)	College Biology Labs	The college allows tours of its laboratory facilities and the staff will assist in in-school projects.	Red Deer, Alberta Red Deer College Biology Department Community Relations Telephone: 342-3300
RESEARCH STATION (A) (PG)	Provincial Government Research	Tours for high school classes studying genetics and other aspects of animal breeding are available. A lecture and a tour of the facility lasts about three hours.	Lacombe, Alberta Telephone: 782-3316
REVELSTROKE SAWMILL AND PLANING MILL (I)	Manufacturing Lumber	Students may visit the sawmill where the lumber is rough cut. A second visit may be made to the planing mill where lumber is finished.	Located near Rocky Mountain House Telephone: 845-3141
ROCKY MOUNTAIN HOUSE HISTORIC SITE (MG)	Public Historic Attraction	Some of Western Canada's history has been captured in this facility. Visitors may tour the museum, view films and slide presentations and wander through the old fort site. (Free admission)	Located 3 km west of Rocky Mountain House Telephone: 845-2412

FACILITY	TYPE	DESCRIPTION	Location/Contact
SEWAGE TREATMENT PLANT (MG)	Municipal Service	Sewage treatment in any urban centre is a service requiring large effort. A tour of this facility might help in an understanding of processes designed to reduce pollution.	Red Deer, Alberta 4914 - 48 Avenue Telephone: 342-8160
SISSONS MINE (I)	Open Pit Coal Mine	There are three active pits operating. Visitors are able to see the total operation and gain some idea of the machinery and processes used. Tours usually last about ninety minutes.	Alix, Alberta, which is east of Lacombe on highway 12 Telephone: 747-2286
SLACK'S SLOUGH (PG)	Provincial Government Facility Preserve	Alberta's Fish and Wildlife Division is in the process of designing a self-guiding interpretive tour for the region. Viewing and baiting stations are planned.	Located 3 km south of Red Deer on Highway 2 Telephone (temporary) 343-5142
STETTLER TOWN AND COUNTY MUSEUM (MG)	Public Historic Attraction	This museum has a collection of historic buildings and artifacts. A school, a church, a store, a courthouse and a C.N.R. station with a caboose are on the site. Materials from the R.C.M.P. and local families are featured.	Stettler, Alberta Telephone: 742-4291
TERRATIMA HOSTEL (CR)	Cross-Country Ski Ranch	The hostel area has 75 kilometres of prepared and groomed ski trails. Other facilities include cabins for up to eight persons and a hostel to accommodate twelve. Overnight stays are available.	Rocky Mountain House Telephone: 845-6786
TRAVELAIRE TRAILER CANADA (I)	Manufacturing Recreation Vehicles	Junior and senior high school students are able to visit this establishment in order to learn about business or learn more about recreation in the outdoors. Tours last about ninety minutes.	Red Deer, Alberta 67 Street and Golden Avenue Telephone: 347-6641
WHIFFLETREE FARM (A)(I)	Private Mixed Farm	This farm has been a popular site for visits for many years. Farm animals and nature trails are two study themes for younger children. There is an admission fee.	Delburne, Alberta which is east of Red Deer Telephone: 749-2381
WELL'S ANIMAL FARM (I)(T)	Private Animal Farm	In addition to the observation of such animals as llamas, sheep, donkeys, buffalo and a variety of birds, other activities are available. Hayrides, sleighrides and cross-country skiing may be taken advantage of. There is an admission and participation fee.	Located near Rocky Mountain house Telephone: 845-6357

CALGARY AND REGION

The PHYSICAL RESOURCES of CALGARY and REGION are listed for the area bounded on the north by a line across a map of the province at about the level of Didsbury and on the south by an arbitrary line drawn across the map at the level of Nanton.

These resources are made up of actual places to which students could be taken for out-of-school teaching-lessons. The code-keys used are:

(I) = Industry (N) = Natural Area (MG) = Municipal Government Facility
(PG) = Provincial Government Facility (FG) - Federal Government Facility
(PR) = Private Ownership (EE) = Environmental Education Primarily
(A) = Agriculture (T) = Tourist Attraction (CR) = Camp/Residential
(CW) = Camp/Wilderness

FACILITY	TYPE	DESCRIPTION	Location/Contact
ALBERTA GOVERNMENT TELEPHONES MUSEUM (PG)	Provincial Government Facility Museum	Visitors are offered an interesting tour that includes a series of audio-visual presentations, static displays and map aids. The themes focus on the history of the telephone, the history of A.G.T. and new innovations in telecommunications. (Free admission)	Calgary, Alberta 411 - 1st Street S.E. Second Floor Telephone: 231-7326
ALBERTA HORTICULTURAL RESEARCH CENTRE (PG)	Provincial Government Facility Research	Situated in the semi-arid short-grass section of the province, this facility carries out research and extensive programs in Alberta's horticultural industry. Visitors can follow a self-guided route through gardens of shrubs and flowers. (Free admission)	Located 4 km east of Brooks, Alberta on Highway #1 Telephone: 362-3391
ALBERTA THEATRE PROJECTS (PR)(MG)	Public Facility Arts	This theatre operates out of the Canmore opera House in Heritage Park. A variety of plays are presented each season. The season is from September to April. Admission varies with each play. (Special rates for school groups)	Calgary, Alberta 1900 Heritage Drive S.W. Telephone: 253-0775
ASSOCIATED VETERINARY CLINICS 1981 LTD. (I)	Private Business Veterinary Medical	These and other clinics offer tours to school groups. The care of and responsibility toward animals and pets is a primary theme. - Banff Veterinary Clinic c/o S.P.C.A. Shelter, Banff, Alberta - Calgary North Veterinary Hospital 4204 - 4th Street N.W., Calgary, Alberta	 762-3611 277-0135
		- Canmore Veterinary Services Canmore, Alberta - Castleridge Veterinary Clinic #10 - 12 Castleridge Drive N.E., Calgary, Alberta - Huntington Hills Veterinary Clinic 6720 Hunterview Drive N.W., Calgary, Alberta - Marlborough Veterinary Clinic #13 - 200 - 52nd Street N.E., Calgary, Alberta	678-4425 280-1585 275-1433 273-4664
BATES BAR J RANCH (A)(I)(CR)(EE)	Private Facility Residence Ranching	This is a working ranch which offers programs and residence accommodation to educational groups. A rustic ranch house dominates the scene. A wide variety of teachable resources are in the area.	Located Cochrane Area northwest of Calgary Telephone: 673-2199
BIG HILL SPRINGS PROVINCIAL PARK (N)(PG)	Provincial Government Facility	This park is very small. It provides the user with an opportunity to see a rather fragile and unique environment. No camping is permitted.	Located north of Cochrane, Alberta

FACILITY	TYPE	DESCRIPTION	Location/Contact
BIG ROCK (THE) (N)(T)	Point of Interest (Geological)	Geologists suggest that this erratic may have been moved some 350 km from the Edson area during the last ice age. It is the largest such rock in North America and has been designated as an historic heritage site. Parking is available.	Located 8 km west of Okotoks on Highway #7.
BLERIOT FERRY (I)	Ferry Transportation	Travellers moving along the Dinosaur Trail (ideally in a clockwise direction) would have need of this ferry. It is named after one of the homesteaders who opened the region near the turn of the century. It operates from May until freeze-up. (No charge)	Located 16 km west of Munson on the Dinosaur Trail northwest of Drumheller
BONNYBROOK SEWAGE TREATMENT PLANT (MG)	Municipal Service	Large urban centres generate huge amounts of sewage and waste. This tour allows the visitors to see how the problems of sewage and water pollution are dealt with.	Calgary, Alberta City Engineering Dept. Telephone: 268-2111 265-5575
BOW VALLEY PROVINCIAL PARK (PG)	Provincial Government Facility Camping	This park is located on the Bow River at what appears to be the entrance to the mountains. The transition from plain to mountain is readily evident.	Located Seebe, Alberta west of Calgary
BRAGG CREEK PROVINCIAL PARK (PG)	Provincial Government Facility Camping	Located in a heavily wooded foothills area on the banks of the Elbow River, this park offers bush camping and picnic facilities.	Located Bragg Creek, Alberta, southwest of Calgary Telephone: 949-3766 or 949-3777
BRAGG CREEK YOUTH HOSTEL (PR)(CR)	Residence Facility	Hostels provide relatively inexpensive accommodation for groups in residence programs. This facility is just inside the Bow-Crow Forest and offers access to a variety of foothill environments.	Located Bragg Creek, Alberta, southwest of Calgary Telephone the House Parent at 949-2385
BROOKS WILDLIFE CENTRE (PG)	Provincial Government Facility Research	Applied research and the rearing of Alberta's upland birds, birds of prey and waterfowl are conducted here. Groups have an opportunity to hear about the type of research being explored. (Free admission)	Located 15 km east of Brooks, Alberta on Highway #1 Telephone: 362-4122
CALGARY CENTENNIAL PLANETARIUM AND AEROSPACE MUSEUM (THE) (MG)	Public Facility Museum	The Star Chamber seats two hundred fifty-five persons. Efforts have been made to design programs of value to schools. The facility also has an observatory and telescopes. The Aerospace Museum offers such displays as vintage aircraft and model rockets.	Calgary, Alberta 701 - 11th Ave, S.W. Telephone: 264-2030
CALGARY ECO-CENTRE (PR)	Volunteer Service	A concerned group of environmentalists providing information services to their community, these volunteers will conduct audio-visuals in schools on request and also guide field trips in Calgary's local parks. The Eco-Centre library is available to the general public. (Free service - - charity sponsored)	Calgary, Alberta #204 - 223 - 12 Avenue S.W. Telephone: 263-6106
CALGARY EXHIBITION AND STAMPEDE BOARD (A)(I)(PR)	Public Facility	The world-famous Calgary Stampede and a wide variety of other projects are managed and conducted by the Board. Frequently, generous access is extended to schools. The Rodeo Royal program is a good example.	Calgary, Alberta Telephone: 261-0101

CALGARY HUMANE SOCIETY (PR)	Public Service	The importance of choosing the right pet and the subsequent responsibilities of pet ownership are topics discussed with the younger students. More mature students are exposed to the nation-wide problem of pet overpopulation and the need for a euthanasia program. (Free service - charity sponsored)	Calgary, Alberta 1323 - 36 Avenue N.E. Telephone: 276-8524
CALGARY STAMPEDE RANCH (I)	Ranch Facility	Owned by the Calgary Exhibition and Stampede Board, this thirty-five section ranch offers tours by appointment only. This is a working ranch providing stock for the Stampede. Other teachable resources include teepee rings and a buffalo jump.	Located 48 km south of Hanna, Alberta Telephone the McKay Family at 556-2206
CALGARY ZOO, BOTANICAL GARDENS AND PREHISTORIC PARK (MG)	Public Facility	This facility is Canada's second largest zoo. The zoo is divided into different sections. The natural history park presents replicas of prehistoric dinosaurs. The tropical aviary and conservatory are an oasis on a winter's day. The live animal exhibits are as good as can be found anywhere. The "NO BARS" program is very effective.	Calgary, Alberta St. George's Island Educational Officer Telephone: 265-9310
CAMP CHESTERMERE (CR)(PR)	Private Facility Residence	This church-owned facility offers a wide variety of activities including swimming, canoeing, archery, riflery, waterskiing, sailing, boating, puppetry, leathercraft, ukelele or those planned and designed by the participating groups.	Located 18 km east of Calgary, Alberta on Highway #1A Telephone: 272-9548
CATARACT CREEK RECREATION AREA (PG)	Provincial Government Facility Recreation	Situated on the Kananaskis Highway fourteen kilometres south of the Highwood Store, the area offers fine hiking through river valley, flood plain, meadow, foothill and mountain terrain.	Located west and south of Calgary, Alberta in the Bow-Crow Forest Reserve Telephone: 239-0004
CEREAL PIONEER MUSEUM (MG)	Public Historic Attraction	This museum is located in an old C.N.R. station. Artifacts of the pioneer era of the Cereal area are the main attractions. It is open to the public from July 1 to mid-October but special viewing arrangements can be made. (Free admission-donation)	Located in Cereal, Alberta Between Hanna and Oyen on Highway 9 Telephone: 326-3899
CITY OF CALGARY FIRE DEPARTMENT (MG)	Public Service Facility	Younger aged groups are exposed to the exciting sights and sounds at the local fire halls. Students have "hands-on" contact with most apparatus including ambulance and paramedic equipment.	Calgary, Alberta Public Information Department Telephone: 287-1150
CONFEDERATION PARK (MG)	Public Facility	This extensive park features a nine-hole golf course, tennis courts and baseball diamonds. Playgrounds and an aerobics course are located along a jogging and cycling trail. The trail is used by cross-country skiers during the winter.	Calgary, Alberta Located along Nose Creek in north Calgary at about 24th Avenue
CONNEMARA LIVING HISTORY FARM (A)(I)(PR)	Private Facility	The owners of this working farm will introduce visitors to many agricultural features and techniques. Of special interest may be the work with draft horses as they were used in the early 1900's. Picnic areas available.	Located 10 km north of Nanton, Alberta Contact George Shaw Telephone: 646-5844
DINOSAUR PROVINCIAL PARK (N)(PG)	Provincial Government Facility Park	This park is included on the U.N.E.S.C.O. World Heritage List. It contains an abundance and variety of dinosaur remains. Many of these are partially excavated and then protectively covered to allow the visitor viewing access. Open from May 1 until Labour Day, access is limited to organized and guided tours. A nominal fee is charged.	Located 48 km northeast of Brooks, Alberta on the Red Deer River Park Telephone: 378-4587

FACILITY	TYPE	DESCRIPTION	Location/Contact
DINOSAUR TRAIL CAMPGROUNDS (I)	Public Facility	This fully-modern campground welcomes groups. A heated swimming pool, large meeting hall, laundromat and nightly movies are part of the attractive features offered. Since it is located on the river, a canoe rental facility is available. Open through the Spring and until the Labour Day weekend, the facility will cater to school groups.	Located 10 km west of Drumheller on the Dinosaur Trail Telephone: 823-9333
DRUMHELLER DINOSAUR AND FOSSIL MUSEUM (MG)	Public Attraction	This museum provides useful background information and fossil examples for a visitor to the region. A number of private and valuable collections are displayed. Tours are offered by appointment only.	Drumheller, Alberta 335 - 1 Street East Telephone: 823-2593
EAMOR'S SADDLERY COMPANY (A)(I)	Private Business	The saddler was long a part of Alberta's history. Visitors may tour this small factory to see how saddles and other equestrian equipment are made.	High River, Alberta Telephone: 652-2614
ELKANA RANCH (A)(I)	Private Business	This is a working ranch. A primary service is riding instruction. A good stable of animals and an indoor arena are available to the user.	Located at Bragg Creek, Alberta, southwest of Calgary Telephone: 949-3844
ENERGY RESOURCES CONSERVATION BOARD (EE)(PG)	Provincial Government Facility	The E.R.C.B. has developed a museum which focuses upon the history of energy use and its effect on society.	Calgary, Alberta Telephone: 261-8311
FISH CREEK PROVINCIAL PARK (N)(PG)	Provincial Government Facility	This is a unique provincial park since it is located within the territorial confines of a large city. Samples of prairie, parkland and mountain habitats are seen along the meandering Fish Creek. There are a number of historic sites also in the area.	Calgary, Alberta Resident Naturalist Telephone: 261-3180
FORT CALGARY (T)(MG)	Public Historic Facility	This forty acre, river valley, natural history park is situated on the original site of Fort Calgary (1875). Visual, audio and sensory experiences, located at the Interpretative Centre, give insight into the history of the R.C.M.P., the archeology of the area and the growth of Calgary.	Calgary, Alberta Education Officer Telephone: 290-1875
GLENBOW MUSEUM (MG) (T)(PR)	Public Facility Historic and Art	Art and history programs in both French and English are available to students of all grades. Docent services are available but groups are encouraged to organize and conduct tours independently.	Calgary, Alberta Education Officer Telephone: 264-8300 Local 74
GOOSEBERRY RECREATION AREA (N)(PG)	Provincial Government Facility Camping	This recreation area offers camping facilities and picnic spots. Visitors can observe the flood plain and the river valley. Hikes to adjacent ranches are possible.	Located near Bragg Creek, Alberta, on the Elbow River in the Bow-Crow Forest Reserve
GRAIN ACADEMY (ALBERTA WHEAT POOL) (A)(PR)	Public Facility	The Academy is dedicated to the farmers, elevator operators, terminal officials and scientists who have contributed to the development of Alberta's grain industry. An interesting exhibition of films, models and other displays are available as educational resources.	Calgary, Alberta Round-Up Centre Stampede Park Telephone: 263-4594

GRIFFIN RANCH CAMP (A)(I)	Private Business Ranching	The ranch offers users the use of horses and riding instruction. Primitive accommodation is available for groups.	Located near Cochrane, Alberta Telephone: 932-2879
GULF CANADA SQUARE TOUR (I)	Private Business Office Facility	Gulf Canada Square is a 2,000,000 square foot office and commercial building that uses "waste" heat and sun reflectors to control interior temperature. This building does not use any conventional source for heating or cooling. Prior to the tour, a nine-minute introductory film about the building's energy and computer system is shown.	Calgary, Alberta 401 - 9th Ave, S.W. Tour Coordinator Telephone: 233-4664 or 233-4000
HANNA MUSEUM (MG)	Public Historic Attraction	This is a pioneer museum of very good quality. Artifacts from the area are on display in their original settings. The pioneer village includes a one-room school, a church, a railroad station, a store, a home and a hospital and all are authentically equipped.	Hanna, Alberta Telephone: 854-4244
HEIDE'S MODEL DAIRY FARM (A)(I)	Private Business Dairy Display	This is a working model of a dairy farm emphasizing both the milking procedure and the eventual processing of milk into various dairy products. The major focus is on the cow, its anatomy, how it reacts, and how it is cared for. A per-person fee includes the tour, hay-ride and lunch.	Located near Calgary to the northwest Telephone: 239-0530
HELPING HAND OUTDOOR EDUCATION CENTRE (PR)	Private Business Arts and Crafts	Students use their senses to become aware of a world removed from their familiar home and school surroundings. Feeling, touching, listening, smelling and seeing some of what exists in nature are experiences useful for young children. Topics of investigation include leather, grain, honey and studies in a pioneer kitchen.	Located 25 km northeast of Calgary, Alberta Telephone: 253-4040
HERITAGE PARK (MG)	Public Historic Facility	The park represents an authentic portrayal of life in Western Canada prior to 1914. To maintain this authenticity, buildings and artifacts have been brought in from many parts of Western Canada. The park offers a variety of school programmes designed to give students an experience of early Canadian history.	Calgary, Alberta Education Officer Telephone: 255-1182
HOMESTEAD ANTIQUE MUSEUM (PR)(I)	Public Historic Attraction	The eight-acre development has been dedicated to the "Big Country's " interesting past. A variety of agricultural and other machinery, as well as items from pioneer homes, are on display.	Drumheller, Alberta Telephone: 823-2600
HOODOOS (N)	Public Attraction	These strange geological formations are of great interest to students of earth science and are curious subjects for photography. Similar formations exist throughout the area but these are easily accessible. A picnic shelter is across the road from the formation.	Located fifteen kilometres east of Drumheller on Highway 10
HORSE THIEF CANYON (N)	Public Attraction Viewpoint	This canyon presents a very attractive view to the visitor. Those interested in hunting marine fossils should find many in this area.	Located 13 km west of Drumheller on the Dinosaur Trail
HORSESHOE CANYON (N)	Viewpoint Hiking Trails	Some have described this locale as a "Miniature Grand Canyon". There are very fine hiking paths and the visitor can see variety and change in the plant life at the different elevations. Specimens range from cacti to evergreens.	Located 12 km west of Drumheller on Highway 9

FACILITY	TYPE	DESCRIPTION	Location/Contact
HUTTERITE COLONIES (A)(PR)	Private Ethnic Locale	The Calgary Board of Education's Social Studies Kit could be value to interested groups. Colonies accepting visits include CAYLEY - Box 25, Cayley, Alberta PARKLAND - Box 3, Parkland, Alberta McMILLAN - Brant, Alberta Groups are reminded of the importance of their appreciating the wishes of their hosts.	Contact the Reverend of each colony 395-2125 646-5788 684-3649
INGLEWOOD BIRD SANCTUARY (MG)	Nature Preserve	This fifty-nine acre site has over two miles of interconnecting trails. Visitors might see any of two hundred seventy-one plant species or two hundred sixteen bird species. A naturalist is available upon request. (Free admission to school groups)	Calgary, Alberta on Bird Sanctuary Road near 9th Avenue and 23rd Street, S.E. Telephone: 269-6688
JAY JOHNSON FARM (PR)(I)	Private Farm	The owner and staff of this farm offer a ninety minute teaching tour to visitors. Farm practices, farm animals and either a hayride or sleighride are included. A per-person fee is charged.	Located west of Calgary, Alberta on Richmond Road, S.W. Telephone: 242-0996
JOHN WARE CABIN (PG)	Public Historic Attraction	The original home of the famous black cowboy, John Ware, is located in Dinosaur Provincial Park. A small museum display about early ranch life is in the park area.	Telephone Dinosaur Provincial Park for access information at 378-4587
JOHNSTON CANYON (FG)(T)(N)	National Park Area	Visitors can follow the self-guiding interpretive trail along Johnston Creek as it cuts across mountain ridges and drops through canyons and waterfalls. Park Naturalists are available to assist large groups in understanding the biogeography of the area.	Located 26 km west of Banff, Alberta
KANANASKIS CENTRE FOR ENVIRONMENTAL RESEARCH (PG)	Educational Research	The Environmental Centre consists of a series of research buildings and equipment to carry out research in energy, water and air quality, vegetation, soils, recreation and quality of life. A self-guided hike or interpretative trail can be covered in forty-five minutes. (Free admission)	Located 80 km west of Calgary, Alberta south of Highway #1 Telephone: 284-5271
KANANASKIS PROVINCIAL PARK (N)(PG)	Provincial Government Facility Camping	Located in the Kananaskis Valley between the Highwood River and Trans-Canada Highway, it has a multitude of activity opportunities. Hiking, backpacking and camping are available. A resident staff will provide study modules and information.	Located west of Calgary, Alberta, south of Highway #1, Telephone the Canmore Offic at 678-5508
KAMP KIWANIS (CR)(I)	Private Residence Camp	This facility is fairly primitive but offers a number of teachable resources. River banks, beaver dams, sloughs and ranches are all found in this foothills region.	Located west of Calgary, Alberta, where the Bragg Creek Road and Richmond Road meet. Telephone: 242-9255
KINSMEN CAMP HORIZON (CR)(I)	Private Residence Camp	This residence camp offers full facilities. Managed by the Alberta Rehabilitation Council for the Disabled, many groups may use the area.	Located south of Bragg Creek, Alberta Telephone: 262-5551 or 949-3818
LEIGHTON CENTRE FOR ARTS AND CRAFTS (PG)(PR)	Government Funded Facility Arts	Classes are offered which emphasize local ecology, flora and fauna and artistic design. Silversmithing and coppersmithing are also taught.	Located 27 km southwest of Calgary, Alberta Telephone: 931-3636

LITTLE CHURCH (THE) (MG)	Public Historic Attraction	This church stands as an attractive landmark and a tourist site. The trails through the nearby hills are very pleasant. A "tongue-in-cheek" advertisement suggests that the church "seats 10,000 people, six at a time".	Located 8 km west of Drumheller on the Dinosaur Trail
LIONS YOUTH CAMP (EE)(CW)	Private Camping Facility	Although there is no accommodation provided there is an enclosed Quonset building, with power, propane and water for cooking. This is an eight-acre site on the river with spaces for tents, campfires and some sports. The facility is available May to September.	Located 10 km west of Drumheller Drumheller Lions Club Box 574, Drumheller, Albert
LORD STRATHCONA'S HORSE (ROYAL CANADIAN REGIMENTAL MUSEUM) (FG)	Canadian Armed Forces Museum	This military museum has artifacts of the horse regiment's history from 1885 to the present. Uniforms, weapons and other momentos as well as a collection of historical photographs are displayed. (Free admission)	Calgary, Alberta C.F.B. Calgary 4225 Crowchild Trail, S.W. Telephone: 242-6610
LUDWIG AND SON TRANSPORTATION LTD. (I)	Charter Coach Service	This company is able to provide educational and informative guided tours of the area of the Drumheller Badlands. Charter coaches are air-conditioned and restroom equipped.	Contact Box 801 Rosedale, Alberta TOJ 2VO
MIDLAND PROVINCIAL PARK (N)(PG)	Provincial Government Facility Park	Self-guided interpretive walking trails lead to the former site of Midland #1 mine which was closed in 1940. McMullen Island day-use area is just to the south with picnic areas and more trails along the river.	Located in Midland west of Drumheller on the Dinosaur Trail
MORRIN PIONEER SOD HOUSE (MG)	Public Historic Attraction	Located in the newly developed Historic Park, this sod building was built in 1980 using the traditional methods. The activity commemorated Morrin's 60th anniversary as a village. The building is furnished in the period style.	Morrin, Alberta west of Hanna on Highway 27
MT. EISENHOWER YOUTH HOSTEL (CR)(PR)	Residence Camp	Located in Banff National Park it provides access to the many trails and programs of the mountain environment as provided by the National Park Service.	Located in Banff National Park Telephone: 283-5551
NANTON PURE SPRING WATER COMPANY (I)	Private Business Bottling Works	A tour of this small bottling plant will give the visitor an idea of business in a rural community.	Nanton, Alberta Telephone: 646-2284
NICKLE ARTS MUSEUM (MG)(T)(PG)	Public Facility Museum	The museum contains the famous Nickle Arts collection as well as a rare and valuable numismatic collection. Local, national and international exhibits are displayed on a continous basis in the gallery on the main floor. (Free admission)	Calgary, Alberta University of Calgary Campus Telephone: 284-7311
NORTH GHOST GROUP CAMP (PG)	Provincial Government Facility Camping	In addition to the opportunity to camp and hike in this foothills region visitors to the area may see samples of environmental impact due to commercial lumbering.	Located west of Calgary, Alberta on the Forestry Trunk Road about 10 km nor of the Ghost Ranger Statio Telephone: 239-0004

FACILITY	TYPE	DESCRIPTION	Location/Contact
OYEN - CROSSROADS MUSEUM (MG)	Public Historic Attraction	The Oyen Historical Society has developed a display consisting of an old home, a blacksmith shop and a collection of machinery. One more interesting display involves four large murals featuring Alberta scenes. The facility is available from April 1 to October 31.	Oyen, Alberta Telephone: 664-3850
PADDY'S FLATS RECREATION AREA (PG)	Provincial Government Facility Camping	The mixed forest habitat of the area is available to the visitor. Camping facilities are suitable.	Located 4 km west of the Elbow Valley Ranger Station in the Bow-Crow Forest Reserve west of Calgary Telephone: 239-0004
PINE GROVE GROUP CAMP (PG)	Provincial Government Facility Camping	This is an excellent area for the study of foothill and creek environments. A central fire-place building and camp kitchens supplement the camping spots.	Located west of Calgary on Jumping Pound Creek 15 km south of Highway #1 Telephone: 239-0004
PREHISTORIC PARK (I)(PR)	Public Attraction	Realistic life-sized models of dinosaurs are located in this 140 acre park. The facility also has a souvenir shop, refreshments and picnic sites. Special group rates are extended to schools. The park is open from Spring to Labour Day.	Drumheller, Alberta Telephone: 823-6144
PRINCESS PATRICIA'S CANADIAN LIGHT INFANTRY REGIMENTAL MUSEUM (FG)	Canadian Armed Forces Museum	The museum is dedicated to the soldiers who have participated in Canada's wars and peace-keeping operations. There are displays of weapons and uniforms. (Free admission)	Calgary, Alberta C.F.B. Calgary 4225 Crowchild Trail, S.W. Telephone: 246-7525
QUARK CREEK NATURAL GAS PROCESSING PLANT (I)	Private Industry Gas Processing	During a sixty-minute tour of this sour gas plant, visitors learn about natural gas processing and the uses of the sulphur by-product. Industrial safety and environmental protection are also stressed. (Free admission)	Located in Millarville, Alberta which is southwest of Calgary on highway #22 Telephone: 931-3311
RIBBON CREEK YOUTH HOSTEL (PR)(CW)	Hostel Facility	Cooking facilities and accommodation for groups up to thirty-five are available. The area offers access to many interpretive trails for natural science and social science.	Located in the Kananaskis area at the mouth of Ribbon Creek Telephone Association Office at 283-5551
RIVER COVE GROUP CAMP (PG)	Provincial Government Facility Camping	This camp is a rather secure site with assistance nearby should it be required. A wide variety of habitat is found in the area. Water, wood, tent and trailer sites, fire pits and camp kitchens are provided.	Located adjacent to the Elbow Valley Ranger Station in the Bow-Crow Area west of Calgary, Alberta Telephone: 239-0004
ROSEBUD CENTRE (I)	Public Attraction Education	Old buildings in the town of Rosebud have been refurbished to provide unique facilities called Rosebud Centre. High school subjects are taught here with the arts receiving the most emphasis. A summer arts camp offers a recreational and fully accredited Arts program for youth and adults in July and August.	Rosebud, Alberta, which is southwest of Drumheller Telephone: 677-2350
SAM LIVINGSTON FISH HATCHERY (PG)	Provincial Government Facility Resources	The fish hatchery produces five million fish yearly to stock Alberta's rivers and streams. Large tanks of fry, fingerlings and stock-size trout are observable through viewing windows. Most of the trout species are represented in aquariums housed in the downstairs facility. (Student groups admitted free)	Calgary, Alberta 1440 - 17A Street, S.E. Telephone: N.A.

SANDY MCNABBE GROUP CAMP (PG)	Provincial Government Facility Camping	This group camp is located near a grazing lease area. The varied uses of the foothills habitats are shown in the region.	Located west of Turner Valley, Alberta, 25 km on the Sheep River in the Bow-Crow Forest. Telephone: 239-0004
SEEBE HYDRO CONTROL CENTRE (I)	Industry Power	The Control Centre is the focal point of the tour as all the hydro-electric production is remotely controlled from this area. Students will have the opportunity to discuss cost factors (construction and operation) and the environmental impact of a dam and its reservoir. (Free admission)	Located west of Calgary at Seebe, Alberta Contact Public Affairs at 267-7378
SHADY GROVE CAMPGROUND (I)	Public Camping Facility	This campground is located in Drumheller along the Red Deer River. It is fully modern with hot showers, playground equipment and a lodge complete with large stone fireplace for group gatherings.	Drumheller, Alberta Telephone: 823-2576
SHANNON TERRACE PROVINCIAL PARK (PG)(EE)	Provincial Government Facility EE Study	This area has been designed and developed exclusively for environmental education. An interpretive centre, classrooms, a library and some study equipment are all available to visitors.	Calgary, Alberta West end of Fish Creek Par Telephone: 261-3180
SHEARNESS COAL-FIRED GENERATING PLANT (PG)(I)	Provincial Government Power Station	Alberta Power is in the process of constructing a billion dollar coal-fired generating plant in this area south of Hanna. This is one of the last planned mega-projects for energy that has not been dissolved due to the economy. Occasional tours will be available.	Located south of Hanna, Alberta
SILVER CREEK RANCH (I)(PR)(EE)	Private EE Study Area	This facility was developed as a residential centre for environmental/outdoor education. A wide variety of teachable resources are found throughout the ranch area.	Located northwest of Calgary, Alberta near Cremona/Water Valley Telephone: 637-2325 or 243-4929
SPRUCE MEADOWS EQUESTRIAN CENTRE (I)(T)	Private Facility Equestrian	This world-renowned centre provides tours to visiting groups and frequently opens its doors during national and international equestrian competitions.	Located just south of Calgary on Highway 22 Telephone: 271-8980
STONY INDIAN WILDERNESS CENTRE AND PARK (PR)	Private Land Camping Culture	Groups may arrange tours and live-in experiences which will allow the study of Indian culture and craft.	Located in the Morley, Alberta area Contact the Stoney Indian Centre
SUNERGY SYSTEMS LTD. (I)	Solar Design Consultant	This company has indicated a willingness to conduct educational workshops on passive solar heating systems. Other tours and services can be provided. Fees are negotiable.	Carstairs, Alberta Telephone: 335-4960
SWINGING BRIDGE (T)	Public Attraction	This unique suspension bridge was used to allow miners to cross the river to the Star Mine. The mine was buried by a landslide years ago. The original bridge was replaced for security reasons. Caution is recommended when exploring the slide site.	Rosedale, Alberta, which is 6 km east of Drumheller

FACILITY	TYPE	DESCRIPTION	Location/Contact
THEATRE CALGARY (PR)(MG)	Theatrical Facility	Wednesday afternoon matinees are offered specifically for Calgary and district teachers and students. Tours of the theatre and shop facilities can be arranged.	Calgary, Alberta 830 - 9th Avenue, S.W. Telephone: 262-2146
TILLEBROOK PROVINCIAL PARK (N)(PG)	Provincial Government Facility Camping	This park provides an opportunity for visitors to explore the prairie grasslands and farming in the area near Brooks.	Located south of Brooks, Alberta
TIMBER RIDGE LODGE (RC)(B)(PR)	Private Facility Ranch	This guest ranch provides the usual amenities and services to the visitors. The area has a variety of natural habitats such as are found in the Alberta foothills.	Located 20 km west of Nanton, Alberta Telephone: 646-5683
TYRRELL MUSEUM OF PALAEONTOLOGY (MG)(PG)	Research Facility (To be completed) Museum	This museum will be completed in 1985. It will be of world-class quality and will have a strong research dimension. Displays allowing participation and handling are being planned and a complex computer controlled information system will be utilized. Plans and models can be seen at the Drumheller Public Library.	Drumheller, Alberta Telephone: 823-5740
WAIPAROUS RECREATION AREA (N)(PG)	Provincial Government Facility Camping	The recreation area is located in an area that is heavily forested and has a large number of streams and creeks. The facilities include water, wood, tent sites, fire pits and camp kitchens.	Located on Waiparous Creek 30 km north of Highway #1 on the Forestry Trunk Road Telephone: 239-0004
WHYDHAM - CARSELAND PROVINCIAL PARK (N)(PG)	Provincial Government Facility Camping	Many groups engage in canoe trips on the Bow River from Calgary to the east. The termination point of such trips is often at this park. Very good river studies may be conducted.	Located in the Carseland area east of Calgary on the Bow River
YAMNUSKA CAMP (CR)(N)(PR)	Private Facility Camping Recreation	The Y.M.C.A. operates this residence facility. Food services, study areas, dormitory facilities and a teepee village are all available to the user. A staff of resource people is available.	Located about 96 km west of Calgary on Highway #1 Telephone: 673-3858

SOUTHERN REGION

The PHYSICAL RESOURCES of the SOUTHERN REGION are listed for the area from the Canada - United States Border north to an arbitrary line drawn across a map of the province at a point immediately south of Nanton.

These resources are made up of actual places to which students could be taken for out-of-school teaching-lessons. The code-keys used are:

(I) = Industry (N) = Natural Area (MG) = Municipal Government Facility
(PG) = Provincial Government Facility (FG) = Federal Government Facility
(PR) = Private Ownership (EE) = Environmental Education Primarily
(A) = Agriculture (T) = Tourist Attraction (CR) = Camp/Residential
(CW) = Camp/Wilderness

FACILITY	TYPE	DESCRIPTION	Location/Contact
AIRPORT (LETHBRIDGE) (FG)	Airport and Weather Service	The airport administration cannot allow groups in the Control Tower but a tour of the general facilities and the Weather Office can be arranged. A film on fire prevention and control and an examination of big maintenance equipment may be included.	Lethbridge, Alberta Telephone: 327-2421
ALBERTA SOIL AND FEED ANALYSIS LTD. (A)(I)	Chemical Testing Laboratory	High school chemistry classes might benefit by touring this facility. Practical applications of chemistry are demonstrated in soil testing for phosphates, nitrates and organic matter and feeds testing for proteins, fats and trace elements. Group size is limited to twenty students.	Lethbridge, Alberta 3131 - 1st Avenue South Telephone: 329-9266
ALBERTA WHEAT POOL ELEVATOR (A)(I)	Grain Storage Elevator	This elevator is of a new and unique design which allows for safer storage and faster loading and unloading of grain. Nicknamed the "Buffalo Slope" elevator, it is constructed of stacked and interconnected concrete modular units.	Magrath, Alberta Elevator #4 Telephone: 758-3636
ALPHA MILK COMPANY (A)(I)	Business Dairy Processing	Alpha has a large viewing room which is specifically designed to facilitate school tours. Its large windows allow students to observe the various steps in milk processing. The tour is best suited to students in Grades One through Six.	Lethbridge, Alberta 434-8th Street South Telephone: 328-8885
BAALOG AUCTION (A)(I)	Business Auction Market	One element of the cattle industry is the marketing of animals. This new, modern and well kept livestock auction mart will allow groups of up to fifty students to observe cattle sales.	Lethbridge, Alberta 5 km southeast on Highway #4 Telephone: 320-1980
BELMORE MUSEUM (PR)(I)	Public Attraction	Open from May to October, this museum offers a wide variety of displays. Visitors can see samples of fossils, a 1903 drilling rig, Indian and Eskimo artifacts, a wildlife display and a collection of machinery, cars and guns.	Coutts, Alberta On Highway #4 Telephone: 344-3388
BEAUVAIS LAKE PROVINCIAL PARK (PG)(N)	Provincial Government Camping	From May 1 to Labour Day a resident naturalist can assist visitors to this park. Forest and lake environments are available for study. Camp spots and picnic areas are available.	Located 11 km west and 8 km south of Pincher Creek, Alberta west of Fort Macleod Telephone: 627-2021
BOWMAN ARTS CENTRE (PR)	Private Facility Fine Arts	The gallery's aim is to provide a space where local and regional artists can gain exposure. The centre is also used for meetings and some theatrical work. Groups in the areas of culture and the arts are catered to. (Free admission)	Lethbridge, Alberta 9th Street and 5th Avenue Telephone: 326-2813

FACILITY	TYPE	DESCRIPTION	Location/Contact
BRIDGE FEEDERS (A)(I)	Business Animal Husbandry	Single-class tours in the Spring and Fall may be arranged. This feedlot and registered quarter horse breeding operation is family operated. The grounds and gardens are both interesting and attractive.	Lethbridge, Alberta 4 km east on the Jails Road Telephone: 327-0113
C.F.A.C. TELEVISION (PR)(I)	Communications Television	This is southern Alberta's largest television studio. A tour of about forty-five minutes will cover all departments. Live productions can be observed. All grades are welcome but group sizes should not exceed thirty.	Lethbridge, Alberta 1401 - 28 Street North Telephone: 327-1521
CAMP IMPEESA (PR)(CW)	Private Facility Camping	Sleeping, bathing and toilet facilities are quite primitive but a dining lodge and kitchen are very adequate. The facility is made up of two "villages" each able to handle about forty-five campers. Many outdoor studies are possible in the area.	Located on Beavermines Lake 40 km west of Pincher Creek, Alberta Contact Boy Scouts Canada at 327-4647
CAMP MCCOY (PR)(CR)	Private Facility Camping	The facilities in this church sponsored camp include cabins for campers, a main lodge for large group meetings, kitchen facilities and a chapel.	Located at Elkwater Alberta, adjacent to Cypress Hills Provincial Park southwest of Medicine Hat on Highway 41. Telephone 527-6725 in Medicine Hat
CAMP OKEEKUN (PR)(CR)	Private Facility Camping	The main camp has sleeping accommodation for forty-eight people but a further 125 could use two large tenting areas. The main lodge is winterized for small groups and is fully equipped for cooking. Shower facilities are available.	Located 5 km northeast of Fort Macleod in the Oldman River Valley Telephone the District Girl Guide Office at 328-0733
CANADIAN GREENHOUSE (A)(I)	Business Greenhouse Crop	Only Early Childhood and Grade I classes can visit for thirty minute tours. Students may see how plants are begun from seeds and cuttings and how various plants and flowers are packed for shipping.	Medicine Hat, Alberta Elm Street and London Avenue Telephone: 526-2704
CANADA AGRICULTURE RESEARCH STATION (A)(FG)	Government Facility Research	The offices, laboratories and library form this complex known as the Agriculture Centre. It also houses offices of the Food Production and Inspection Branch of Agriculture Canada and the Extension Division of Alberta Agruculture.	Lethbridge, Alberta Eastern edge of the city on Highway #3 Telephone: 327-4651
CANBRA FOODS (A)(I)	Business Canola Processing	This huge plant processes canola oil for both local and world markets. The plant no longer conducts tours but has produced a new eighteen minute video on processing and marketing operations which is available on request.	Lethbridge, Alberta 2A Avenue and 25th Street North Telephone: 327-5781
CANYON CHURCH CAMP (PR)(CR)	Private Facility Camping	The main lodge is heated in this otherwise non-winterized facility. Each of seven cabins can sleep twelve students. Kitchen and dining spaces are in the lodge and there is a semi-enclosed craft area. Naturalists from Waterton will help in programs.	Located at Waterton Park in Red Rock Canyon Telephone: 320-8522
C.O. CARD HOME AND MUSEUM (T)(MG)	Public Historic Attraction	This is the original home of Charles Ora Card who was the leader of the forty Mormon families who came to the area from Utah in 1887. Open from June 1 until Labour Day the facility could be of interest for pioneer studies.	Cardston, Alberta 337 Main Street Telephone: N.A.

CATELLI LTD. (I)	Business Pasta Manufacture	This factory is one of Western Canada's largest producers of macaroni and other pasta products. During a forty-five minute tour visitors see dough mixing, shaping and cutting, drying and the facilities for packaging and shipping. Visits are limited to high schools.	Lethbridge, Alberta 104 - 13 Street North Telephone: 326-3236
CHAIN LAKES PROVINCIAL PARK ON THE HAPPY VALLEY ROAD (PG)	Provincial Government Facility	This area features a man-made lake in the heart of rolling cattle country. Students would have a good opportunity to study ranching, the grassland environment and a lake environment.	Located 36 km west of Nanton, Alberta
CHINOOK GREENHOUSES (A)(I)	Business Greenhouse Crops	Indoor growth of cucumbers is the function of this establishment. Tours may be arranged easily.	Medicine Hat, Alberta 1431 Bridge Street S.E. Telephone: 527-8942
CITY OF LETHBRIDGE SEWAGE AND WATER TREATMENT PLANT (MG)	Municipal Service	The new water treatment plant allows examination of filtration, cleaning and pumping facilities by students in Grade Five or higher. The sewage treatment plant is limited to high school students.	Lethbridge, Alberta Located in the River Valley
COSTANZA'S FARM (A)(I)	Business Farm	This small mixed farm allows children see and touch a variety of animals. There are miniature horses, mules, cows, goats, sheep and rabbits as well as pigeons and ducks. Picnic facilities are available. A per-student fee is charged.	Located near Burmis, Alberta, which is west of Pincher Creek on Highway #3 Telephone: 328-3860
CROWSNEST BIBLE CAMP (PR)(CR)	Private Facility Camping	One large, heated building contains kitchen, dining, recreation and sleeping facilities. There is accommodation for eighty people. Located on the shore of Crowsnest Lake, canoeing and fishing as well as other outdoor activities are possible.	Located 10 km west of Coleman, Alberta on Highway #3 Telephone: 563-3197
CUSTOM ENGINE AND PARTS (I)	Business Automotive	This establishment does custom engine work on cars, trucks and farm equipment and deals with some oilfield equipment. High school students in automotive classes are welcome in groups no larger than fifteen.	Lethbridge, Alberta 316 - 35 Street South Telephone: 328-8181
CYPRESS HILLS PROVINCIAL PARK (N)(PG)	Provincial Government Facility Camping	This park has a number of study trails. Rich in teachable resources the region offers studies in Geology, Grassland Communities, Aquatic Communities, Forest Communities and History. Visitor services can offer program assistance.	Located in the southeast corner of the province Contact Visitor Services at 893-3833
ELKS PICNIC FACILITY (MG)	Civic Facility Park	This is a community recreation area with cooking and washroom facilities suitable as a fieldtrip stop. Special rates for school and youth groups are offered.	Lethbridge, Alberta in Indian Battle Park Contact City of Lethbridge Telephone: 320-3020
ELLISON MILLING COMPANY (A)(I)	Business Milling	This is one of Southern Alberta's largest and oldest milling companies. A one hour tour allows the visitor to view the grinding process and the packing and shipping areas. Groups are limited to Grade VI and older to a maximum of twenty students.	Lethbridge, Alberta 1301 - 2nd Avenue South Telephone: 328-6622

FACILITY	TYPE	DESCRIPTION	Location/Contact
FIRE HALL (LETHBRIDGE) (MG)	Municipal Service	A tour of the firehall includes the headquarters operations, firetrucks, hose drying towers and equipment storage. Fire safety films suitable to the age group will be shown. Visits are limited to students in Grades One to Six.	Lethbridge, Alberta 28 Street and 5 Avenue N. Telephone: 320-3800
FORT MACLEOD AUCTION MARKET (A)(I)	Business Auction Mart	For groups examining a further dimension of agricultural marketing, a tour of this large, modern auction market might be very useful. Sales of cattle, land and farm machinery and property take place throughout the year.	Fort Macleod, Alberta Telephone: 553-3315
FORT MACLEOD MUSEUM (MG)(T)	Public Historic Attraction	A self-guided walking tour can be arranged and slide presentations are available upon request. The museum focuses on much of the long and colourful history of the pioneers, the Indians and the Mounties. (Free admission)	Fort Macleod, Alberta Telephone: 553-4703
FORT WALSH (PG)	Public Historic Attraction	Although located out of the province, the area's history is closely allied to that of Alberta. A number of interpretive programs and guided walks introduce the visitor to the Fort, the Trading Post, the townsite and N.W.M.P. Cemetary. The facility is open from May 15 to Thanksgiving.	Located in southwest Saskatchewan Provincial Parks Telephone: (306) 299-4414 (306) 667-2645
FORT WHOOP-UP IN INDIAN BATTLE PARK (MG)	Public Historic Attraction	This fort is a replica of the notorious whiskey trading post which was a part of Alberta's early history. A mining train, used at the Shaughnessy mine, offers rides in coal cars converted for passengers. A per person fee is charged but group rates are extended to schools.	Lethbridge, Alberta In Indian Battle Park Telephone: 329-0444 or 329-6831
FRANK SLIDE (PG)(T)	Provincial Historic Site	The site of the 1903 rock slide might be a useful location for an earth science fieldtrip. A description of this historic event is found on a commemorative plaque below the scarred area of Turtle Mountain.	Located on Highway #3 27 km before reaching the B.C. Border
GENERAL FOODS (I)	Business Food Processing	An hour-long tour of this plant might be useful for Food Science and Home Economics classes. The plant uses sugar from Southern Alberta in the manufacture of such products as Tang and Jello. The tour includes the processing tower and the areas for packing and shipping.	Lethbridge, Alberta 2200 - 31 Street North Telephone: 328-2200
GIRL GUIDES CAMP (PR)(CW)	Private Facility Camping	This is a fairly primitive camping facility with a main lodge for cooking. Tent camping is made more pleasant by washroom facilities located behind the Beaver campground. The camp is church sponsored.	Located at Elkwater near the Cypress Hills Provincial Park Contact Girl Guides at 548-3693 or 427-0069
GLASCON INDUSTRIES (I)	Business Fibreglass Boat Building	This new large plant manufactures smaller pleasure boats, canoes and truck toppers. The company prefers that visits be limited to secondary age students. Groups should be no larger than fifteen persons.	Lethbridge, Alberta 538 - 30 Street North Telephone: 329-4411
GLENWOOD CHEESE FACTORY (A)(I)	Business Cheese Manufacture	This south Alberta cooperative factory manufactures cheddar, colby, marble and mozzarella cheese. Visitors will be able to follow the process which converts pasteurized milk into cured blocks of cheese. The facility is well set up to handle tours.	Glenwood, Alberta north of Cardston where Highways 505 and 610 meet Telephone: 626-3221

GREEN ACRES FERTILIZER SERVICES (A)(I)	Business Bulk Fertilizer	A computer controls the mixing operations for the custom fertilizers prepared in this operation. One of the largest such companies in Southern Alberta it offers tours to students of junior and senior high school.	Lethbridge, Alberta Telephone: 327-0425
HEAD-SMASHED-IN BUFFALO JUMP (PG)	Public Historic Attraction	This site has been designated as a UNESCO World Heritage location since 1981. It is one of the largest and best-preserved buffalo jumps in North America.	Located 16 km west of Highway #2 on Highway #516 Contact Alberta Culture at 553-4703
HELEN SCHULER COULEE CENTRE NATURE RESERVE (MG)(N)(EE)	City Government Facility	Located north of Indian Battle Park in Lethbridge the centre arranges displays and programs illustrating different habitats in coulee and flood plain areas. An interdisciplinary, hands-on approach is encouraged. (A charge will be made for kindergarten and out-of-town field trips)	Lethbridge, Alberta Local schools contact 328-0088 Out-of-town groups contact 320-3064
HIGH LEVEL BRIDGE (CPR) (FG)(I)	Private Structure Transport	This one of the continent's largest bridges of this type. It extends over one kilometre across the river valley. Information booklets and a cairn provide information for groups on self-guided walks.	Located a bit west of Lethbridge, Alberta on Highway #3 For information contact Galt Museum 328-6455
HILLSIDE CEMETARY (MG)	Municipal Government Service	Trends in population may be studied here with specific areas of interest being the origins of race of the population as well as epidemics or other similar factors. Opportunities may be available in other communities as well. (Exemplary conduct and behaviour are essential to preserve the proper dignity of the location)	Medicine Hat, Alberta 1301 - 10 Avenue S.W. Telephone: 526-5971
HUTTERITE COLONIES (PR)(A)	Business Agriculture	A large number of Hutterite Colonies are located in southern Alberta. Many of these allow visiting tours. Groups engaging in ethnic studies, agriculture or early settlement may wish to contact the Minister or the Boss in the selected colony.	Colonies include - Rocklake, Lakeside (Coaldale) New Elm, Old Elm (Magrath) O.K. Turin (Raymond)
I.X.L. INDUSTRIES (I)	Business Clay Products	A guided tour for students from secondary school is offered at this plant. The types and locations of the clays used in the locally made brick products are shown and described.	Medicine Hat, Alberta Porcelain Avenue S.E. Telephone: 526-5901
INDIAN BATTLE PARK (MG)	Public Historic Attraction	This natural park, named after the last great Indian battle fought there in 1870, is suitable for Social history tours and picnics. Students can visit Fort Whoop-Up and the Helen Schuler Coulee Centre in conjunction with the park trip.	Lethbridge, Alberta Rivervalley West
INDIAN GRAVE RECREATION AREA (PG)	Provincial Government Facility Recreation	This foothills and range area offers good hiking trails. Indian grave sites in the area give the region teachable resources of the historico-culture type as well as for nature study.	Located in the Table Mountain/Willow Creek area of the Bow-Crow Forest Reserve about 50 km west of Nanton
KEHO LAKE PARK (MG)	County of Lethbridge Facility Reservoir	The Keho reservoir is a man-made lake. The park offers grassed and treed camping areas for tents and three-sided picnic shelters. Hiking is limited but golf and lake recreation activities are available.	Located in the County of Lethbridge, 20 km northeast of Nobleford Telephone: 328-5525

FACILITY	TYPE	DESCRIPTION	Location/Contact
KIRCHENER MACHINES (I)	Business Farm Machinery	This local firm specializes in designing and manufacturing farm equipment to meet special local needs. Currently, eleven different lines are being produced for various sugar beet operations, haying and irrigation. Tours are possible from mid-October to mid-March.	Lethbridge, Alberta 2419 - 2A Avenue N Telephone: 328-5568
LEITCH COLLIERIES (PG)(T)	Provincial Government Historic Site	These interesting stone buildings are the remnants of an abandoned coal mining residence and machine shelter. Restoration plans for the old stone powerhouse centre and coke ovens are underway. An historical interpretative centre is being built. (Free admission -- tour guides -- picnic area nearby)	Located in the Crowsnest Pass, 34 km before the B.C. Border on Highway #3 Contact Alberta Culture in Lethbridge
LETHBRIDGE COMMUNITY COLLEGE (THE) (MG)	Educational Institution	This college offers diploma and academic up-grading courses. Programmes unique to the college are Law Enforcement and Renewable Resource Management.	Lethbridge, Alberta Scenic Drive and 23rd Street South Contact: 320-3322
LITTLE BOW PROVINCIAL PARK (PG)(N)	Provincial Government Facility Camping	This park is located by a man-made lake utilized for irrigation farming. Camping areas are available.	Located east of the town of Champion, Alberta
LIVINGSTON FALLS (PG)(N)	Provincial Government Facility Camping	A waterfall in a mountain region is a relatively rare sight in Alberta. The region is rich in opportunities for nature study. Camping areas are available.	Located in the south part of the Kananaskis Valley about 40 km north of Coleman, Alberta
LUNDBRECK FALLS (PG)	Provincial Government Facility Camping	A large picnic shelter and individual camping sites are located in this scenic area. The area's teachable resources are numerous.	Located in the Crowsnest Pass, near Highway #3 west of Lundbreck Contact Blairmore Forest SErvice Telephone RITE 627-3366
MCDONALD'S RESTAURANT (I)	Business Food Services	Kindergarten and primary students, especially, will enjoy a "behind the scenes" view of one of their favorite eating places. The tour includes the storage, machines and cooking operations. The thirty minute tours are limited to children in Grades One, Two or Three in groups no larger than thirty. Visits are available from October to April only.	Lethbridge, Alberta 1814 Major Magrath Drive Telephone: 329-1919
MEDALTA POTTERIES (I)	Business Pottery Manufacture	Guided tours of this factory are available to students of Grade Four and older. Visitors will see the total clay pottery process from the initial formation through to glazing and firing.	Located in Redcliff, north-west of Medicine Hat on Highway #1. Telephone: 548-3724
MEDICINE HAT MUSEUM (MG)(T)	Public Historic Attraction	The museum exhibits tours may be self-guided or teacher guided. A variety of programs have been designed for particular grades. Exhibits include western artifacts, wildlife and geological specimens and items and pictures of the city's history. (Free admission)	Medicine Hat, Alberta 1302 Bemford Crescent Telephone the Curator at 527-6266
MILL CREEK CAMP (PR)(CR)	Private Facility Camping	This Baptist Church camp has a dining lodge and cabins to accommodate twenty-five people. A lovely setting offers many useful teachable resources.	Located in Gladstone Valley, 30 km southwest of Pincher Creek, Alberta Telephone Lethbridge 327-1281

NEUFELD INDUSTRIES (I)	Business Metal Fabricating	This company manufactures bear-proof garbage cans and special disposal systems. All of Banff and Kananaskis are customers. Tours are available to groups of up to thirty students in Grade Five or higher.	Lethbridge, Alberta 4115 - 18 Avenue North Telephone: 328-7788
NIKKA YUKO CENTENNIAL GARDEN (MG)(T)	Municipal Facility Park	Authentic Japanese landscape gardening is displayed in the Centennial Garden. A pavillion looks over the Dry Garden, the Mountain and Waterfall, Prairie Gardens, Streems, Ponds and Islands. Guided tours are free to elementary students from mid-May to mid-October.	Lethbridge, Alberta Telephone: 328-3511
OXBOW LAKE IN KIN COULEE (N)(MG)	Municipal Site	The Kin Coulee area is rich in various examples of flora and fauna. The Oxbow Lake (or slough) is a part of the region. Picnic areas and washrooms are available.	Medicine Hat, Alberta Natural Area
PARK LAKE PROVINCIAL PARK (PG)	Provincial Facility Camping	The reservoir area is well treed with camping areas and firepits. Hiking or cross-country skiing, canoeing, fishing and birdwatching are just some of the possible activities.	Located 16 km northwest of Lethbridge, Alberta Telephone the Warden at 327-3980
PEPLICH BROTHERS AUCTION (A)(I)	Business Auction Mart	This well established livestock auction facility will give tours of the facilities on non-sale days. In addition, students can attend regular auctions. Hogs, sheep, dairy cattle and butcher or feeder cattle are the commodities dealt with.	Located south of Coaldale, Alberta, east of Lethbridge on Highway #512 Telephone: 329-3101
PINCHER CREEK MUSEUM AND KOOTENAI BROWN HISTORICAL PARK (MG)(T)	Public Historic Attraction	Museum displays include household items, clothing, tools and saddles as well as albums and records of local residents. In the park surrounding the museum are several log cabins including one belonging to Kootenai Brown dating back to 1899. The facility operates from May 24 to the end of August. (Free admission)	Pincher Creek, Alberta Telephone: 627-3684
POLICE POINT (N)(MG)	Municipal Facility Park	This large city park houses a great variety of communities such as dry grassland, sage, most major trees, river bank life and animals with large ranges, to name just a few. Washroom and other facilities are available.	Medicine Hat, Alberta Telephone: 529-6225
POLICE OUTPOST PROVINCIAL PARK (N)(PG)	Provincial Government Facility Camping	This provincial park is almost on the United States border. The lightly treed rolling land offers opportunities for hiking, canoeing and fishing. Tenting is possible in the grassy overflow area. Usable from May to September only, the region could be useful to secondary schools.	Located 16 km west and 18 km south of Cardston, Alberta Telephone the Warden at 653-2522
POLICE STATION - CITY OF LETHBRIDGE (MG)	Municipal Facility Service	The police station tour varies according to the age range of students. A talk with Inspector Wauters can tailor the tour and address special areas of concern or interest. Tours are limited to students in Grades One to Ten.	Lethbridge, Alberta 5th Avenue and 5th Street South Telephone: 328-4444
POWER HOUSE GREENHOUSE (A)(I)	Business Greenhouse Crops	Visits to this greenhouse facility will allow students to see the production of such cash crops as cucumbers and geraniums.	**Medicine Hat, Alberta** Power House Road Telephone: 527-8235

FACILITY	TYPE	DESCRIPTION	Location/Contact
SEVEN PERSONS CREEK (EAST SIDE) (MG)	Municipal Historical Site	This location is thought to have been the site of an Indian encampment between 1200 and 1750 A.D. Numerous artifacts have been found at this archeological site.	Medicine Hat, Alberta Contact the Museum Curator 527-6266
SIR ALEXANDER GALT MUSEUM (MG)(T)	Public Historic Attraction	Museum displays relate to the early development of the area. Featured are artifacts and displays of early Indian culture, the fur trade, ranching and homesteading, coal mining. Ukranian culture, early weapons and radios. Tours are easily arranged.	Lethbridge, Alberta 1st Street and 5th Avenue Telephone: 328-6455 or 320-3011
SOUTHERN ALBERTA ART GALLERY (THE) (MG)	Municipal Facility Fine Arts	This gallery's main purpose is to present historical and contemporary art programmes. It provides visual arts exposure through thirty-six exhibitions per year. The Gallery also holds concerts, readings, films, lectures and workshops. It is a year-round facility. (Free admission)	Lethbridge, Alberta 601 - 34th Avenue South Telephone: 327-8770
STRATHCONA ISLAND (PG)	Provincial Government Facility	The island contains all the major features of Police Point plus a small sand dune community. This will be a somewhat more developed park system than Police Point in the future.	Medicine Hat, Alberta Natural Area
SUN ALTA GREENHOUSE (A)(I)	Business Greenhouse Crops	This greenhouse offers tours of its areas which are devoted to the growth of cucumbers.	Medicine Hat, Alberta 613 Med Alta Avenue S.E. Telephone: 527-4301
SYNCLINE GROUP CAMP (PG)(CW)	Provincial Government Facility Camping	This has two sections each having a large enclosed building with a fireplace and tables. Each unit will accommodate about forty-five people. Reservations for use of the area are essential.	Located on the Westcastle Road 40 km west of Pincher Creek, Alberta Telephone RITE 627-3366 Blairmore Forestry Service
TABER PROVINCIAL PARK (J)(PG)	Provincial Government Facility Camping	The park is in the valley of the Oldman River. The campsites are suitable for tenting and have three-walled kitchen shelters. (Free admission)	Located near Taber, Alberta Telephone the Warden at 223-3616
TABER SUGAR FACTORY (A)(I)	Business Sugar Processing	Southern Alberta's sugar beet crops are processed into sugar in this huge plant. Visitors are able to trace all the steps in the complex operation of sugar extraction and crystallization. Visitors must be fourteen or older and groups are limited to fifty. Available March to November only, the facility is a useful resource.	Taber, Alberta Telephone: 223-3535
"TUBBY TOMATO" (GREENHOUSE) (A)(I)	Business Greenhouse Crops	This company grows tomatoes and cucumbers hydroponically in their heated greenhouses. Three crops per year are grown for use throughout Alberta. Tours are available from March to November.	Magrath, Alberta Telephone: 758-6261
UNIVERSITY OF LETHBRIDGE (THE) (PR)(PG)	Educational Institution	This progressive university allows tours of its facilities. Of special interest might be the new Performing Arts Centre and the Physical Education area.	Lethbridge, Alberta Contact the School Liaison Officer at 329-2662

UNIVERSITY OF LETHBRIDGE (ART GALLERY) (PR)(PG)(T)	Educational Institution Fine Arts	The art gallery offers ten displays each year focusing on the works of Canadian and local artists. A permanent collection of some two hundred fifty pieces is in place. (Free admission)	Lethbridge, Alberta Telephone: 329-2691
VALLEYDALE GREENHOUSE (A)(I)	Business Greenhouse Crops	Tours of this greenhouse operation will allow visitors to understand "hot-house" growing techniques. Cucumbers and flowers are the cash crops produced.	Medicine Hat, Alberta 80 - 11th Avenue S.W. Telephone: 527-4301
VOLCANIC ROCKS (N)(T)	Historic Site	These outcroppings are the only evidence of volcanic action found in Alberta to this time. The rock consists primarily of ash and cinder indicating violent and explosive action. A site marker provides information to the visitor.	Located just 13 km east of the British Columbia Border on Highway #3
WATERTON NATIONAL PARK (N)(PG)	Federal Government Facility Park	A resident naturalist could provide information and assistance to groups studying glaciation geology, aquatic habitats, flora and fauna or regular ecology. Excellent hiking trails are in the area and group camping facilities are available.	Located 130 km southwest of Lethbridge, Alberta Contact the Wardens at 859-2454 or 859-2477
SHELL WATERTON SOUR GAS PLANT (I)	Business Gas Processing	Groups are able to learn about the processing of sour gas and the various environment control measures utilized by the company.	Located south of Pincher Creek, Alberta Contact the Environmental Officer at 627-3351
WESTCASTLE SKI PARK (T)(I)	Business Recreation	Special school instructional and ski programs are offered in this area. Equipment rentals are available. Groups of up to one hundred fifty can be handled. Some summer camping programs are being contemplated.	Located 45 km west of Pincher Creek, Alberta Telephone: 627-2940
WILLOW CREEK PROVINCIAL PARK (N)(PG)	Provincial Government Facility Camping	Considerable native history can be examined in this area which is in the heart of some fine Alberta ranch country.	Located 35 km west of Stavely on Highway 527
WOOLFORD PROVINCIAL PARK (N)(PG)	Provincial Government Facility Camping	This facility is open during the summer period only. The park is located on the St. Mary River in a well treed area. A picnic shelter and tent sites are available.	Located 13 km southeast of Cardston, Alberta Telephone Woolford Park at 653-4161 or Police Outpost at 653-2522
WRITING-ON-STONE PROVINCIAL PARK (N)(PG)	Provincial Government Historic Site Camping	Located at the base of the hoodoos in the Milk River Valley, the region is rich in resources for the studies of geology, archeology and the history of the North West Mounted Police. The staff will offer guided tours of the Indian writings. Group camping facilities are available.	Located southeast of Lethbridge, Alberta on Highway #4 near Milk River Contact the Warden at 647-2364